

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004174.D
 Acq On : 21 Aug 2018 14:31
 Operator : JC/MD
 Sample : VX0821WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:16:53 AM

Quant Time: Aug 22 01:31:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	304291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	439006	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	246011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	207064	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	5.50	113	172553	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	8.71	98	664792	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.14	95	230358	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52302	17.66	ug/l	95
3) Chloromethane	1.32	50	67468	18.56	ug/l	99
4) Vinyl Chloride	1.40	62	71487	18.18	ug/l	99
5) Bromomethane	1.64	94	40730	20.33	ug/l	97
6) Chloroethane	1.72	64	50474	18.39	ug/l	96
7) Trichlorofluoromethane	1.93	101	100174	18.16	ug/l	95
8) Diethyl Ether	2.18	74	44455	18.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	62382	18.12	ug/l	99
10) Methyl Iodide	2.51	142	57524	19.09	ug/l	99
11) Tert butyl alcohol	3.07	59	82133	95.13	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57410	17.93	ug/l	96
13) Acrolein	2.29	56	55855	102.13	ug/l	100
14) Allyl chloride	2.73	41	113140	18.58	ug/l	98
15) Acrylonitrile	3.15	53	205082	95.27	ug/l	99
16) Acetone	2.45	43	206227	92.52	ug/l	99
17) Carbon Disulfide	2.57	76	149081	16.42	ug/l	97
18) Methyl Acetate	2.78	43	105395	21.28	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	209132	18.54	ug/l	100
20) Methylene Chloride	2.86	84	71018	19.12	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	64694	17.80	ug/l	96
22) Diisopropyl ether	3.87	45	220145	18.44	ug/l	98
23) Vinyl Acetate	3.82	43	929304	94.80	ug/l	98
24) 1,1-Dichloroethane	3.69	63	126355	18.69	ug/l	100
25) 2-Butanone	4.70	43	343370	94.67	ug/l	99
26) 2,2-Dichloropropane	4.58	77	96977	18.04	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	79953	19.56	ug/l	96
28) Bromochloromethane	5.02	49	60282	19.44	ug/l	99
29) Tetrahydrofuran	5.16	42	167888	90.60	ug/l	99
30) Chloroform	5.21	83	127336	19.30	ug/l	98
31) Cyclohexane	5.57	56	105807	17.85	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	106086	19.24	ug/l	99
36) 1,1-Dichloropropene	5.79	75	95126	19.04	ug/l	99
37) Ethyl Acetate	4.86	43	100664	18.50	ug/l	99
38) Carbon Tetrachloride	5.78	117	89963	18.54	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103773	18.31	ug/l	97
40) Benzene	6.14	78	291265	19.42	ug/l	99
41) Methacrylonitrile	5.06	41	55856	18.33	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101034	19.24	ug/l	99
43) Isopropyl Acetate	6.46	43	150303	18.74	ug/l	100
44) Trichloroethene	7.21	130	77610	19.06	ug/l	92
45) 1,2-Dichloropropane	7.52	63	75312	19.61	ug/l	99
46) Dibromomethane	7.66	93	48244	19.22	ug/l	100
47) Bromodichloromethane	7.90	83	90712	19.09	ug/l	99
48) Methyl methacrylate	7.77	41	78616	19.48	ug/l	99
49) 1,4-Dioxane	7.76	88	36062	396.81	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	653246	99.35	ug/l	99
52) Toluene	8.79	92	185129	19.51	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	99249	19.33	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	110257	19.39	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	75664	19.31	ug/l	99
56) Ethyl methacrylate	9.18	69	104892	19.69	ug/l	99
57) 1,3-Dichloropropane	9.37	76	126886	19.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	270960	99.88	ug/l	99
59) 2-Hexanone	9.50	43	490307	99.09	ug/l	99
60) Dibromochloromethane	9.59	129	72512	19.23	ug/l	98
61) 1,2-Dibromoethane	9.67	107	77465	19.40	ug/l	99
64) Tetrachloroethene	9.34	164	71422	17.99	ug/l	95
65) Chlorobenzene	10.14	112	207237	19.15	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	72723	19.70	ug/l	99
67) Ethyl Benzene	10.25	91	339359	19.80	ug/l	97
68) m/p-Xylenes	10.36	106	255376	38.05	ug/l	100
69) o-Xylene	10.70	106	116171	18.11	ug/l	96
70) Styrene	10.71	104	201063	18.63	ug/l	98
71) Bromoform	10.86	173	49169	16.80	ug/l #	100
73) Isopropylbenzene	11.02	105	316937	19.04	ug/l	96
74) N-amyl acetate	6.46	43	150303	19.19	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	109080	18.76	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	99396m	20.15	ug/l	
77) Bromobenzene	11.26	156	88948	19.38	ug/l	97
78) n-propylbenzene	11.36	91	354354	19.02	ug/l	99
79) 2-Chlorotoluene	11.42	91	224462	19.77	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	262193	19.23	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	27333	17.15	ug/l	93
82) 4-Chlorotoluene	11.51	91	251858	18.77	ug/l	100
83) tert-Butylbenzene	11.77	119	274339	19.96	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	287733	20.38	ug/l	98
85) sec-Butylbenzene	11.94	105	303703	18.88	ug/l	99
86) p-Isopropyltoluene	12.07	119	290653	19.96	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	158910	18.16	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	164347	18.24	ug/l	97
89) n-Butylbenzene	12.39	91	229795	20.02	ug/l	99
90) Hexachloroethane	12.60	117	38803	17.81	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	156417	19.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19503	19.09	ug/l	99

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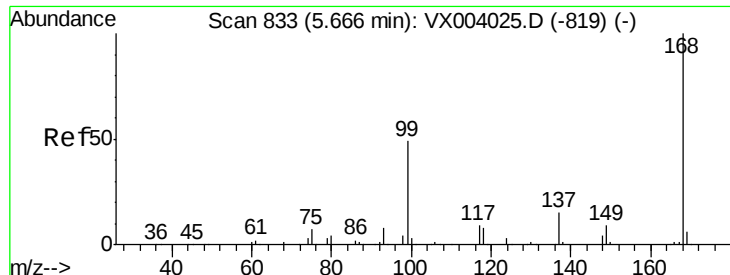
Manual Integrations
APPROVED

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8/22/2018 11:16:53 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103931	19.26	ug/l	98
94) Hexachlorobutadiene	13.79	225	52465	19.40	ug/l	98
95) Naphthalene	13.83	128	323403	19.52	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	119475	20.31	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion:168 Resp: 304291

Ion Ratio Lower Upper

168 100

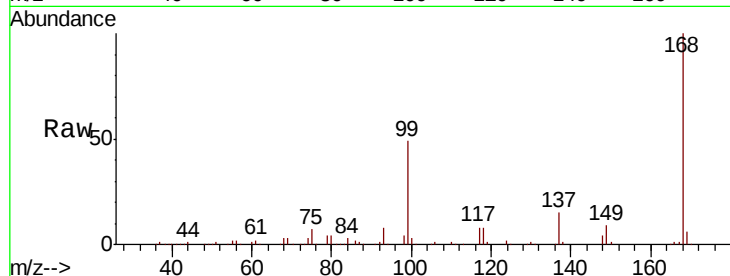
99 48.9 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

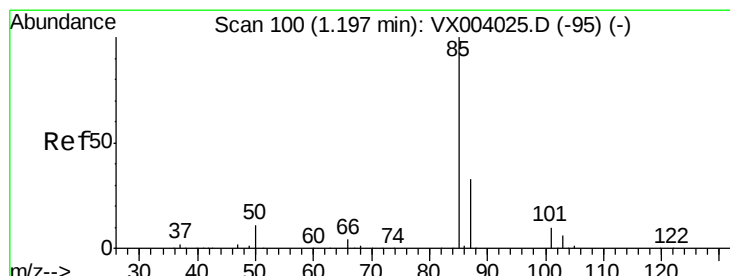
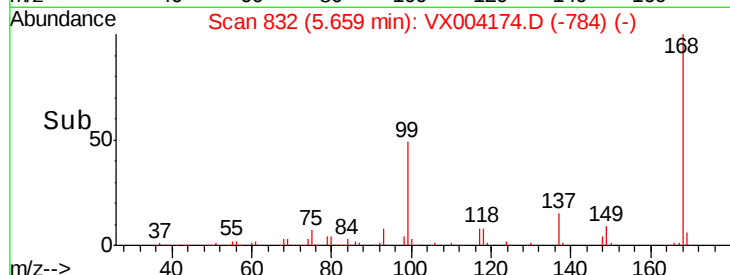
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.66 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004174.D

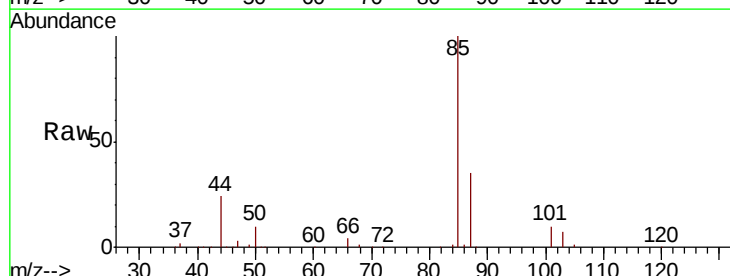
Acq: 21 Aug 2018 14:31

Tgt Ion: 85 Resp: 52302

Ion Ratio Lower Upper

85 100

87 35.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

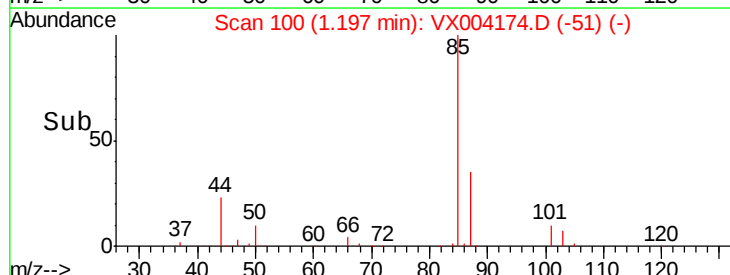
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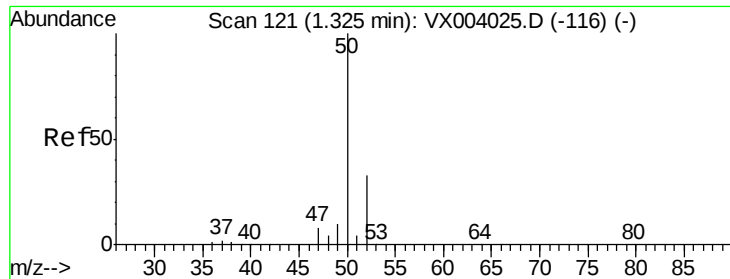
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.56 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion: 50 Resp: 67468

Ion Ratio Lower Upper

50 100

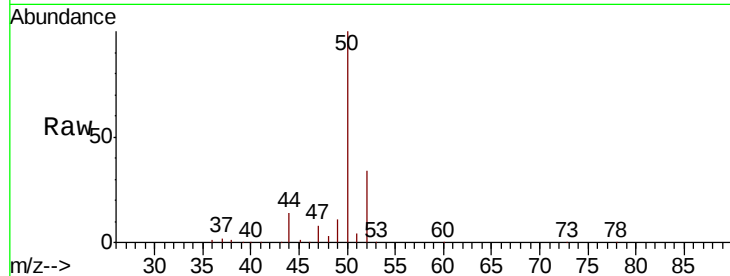
52 33.6 26.6 39.8

Manual Integrations

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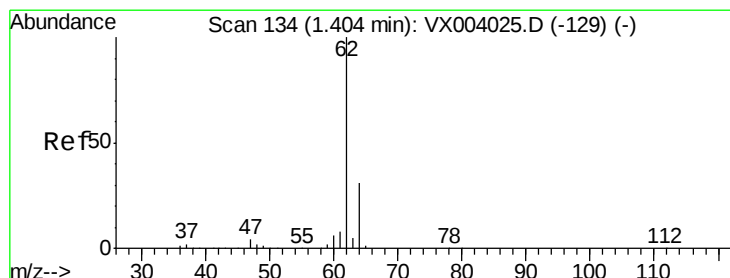
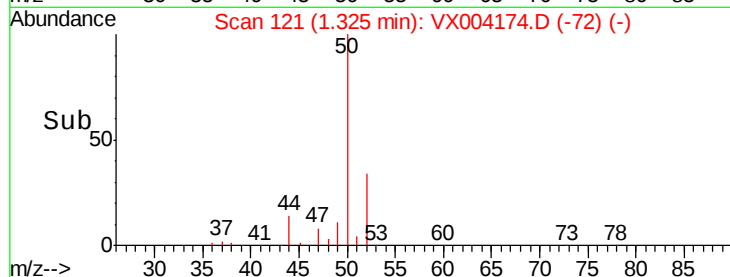
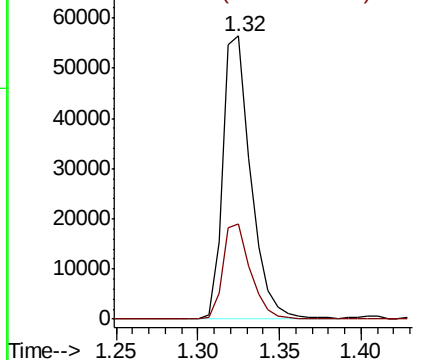
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.18 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004174.D

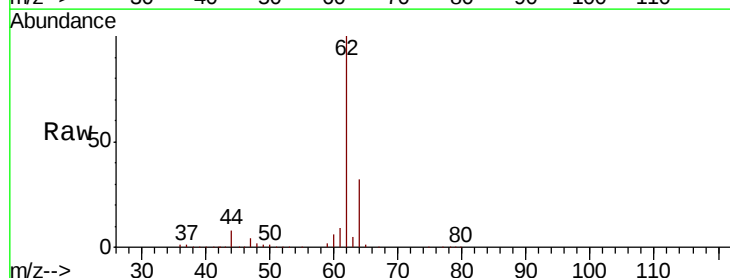
Acq: 21 Aug 2018 14:31

Tgt Ion: 62 Resp: 71487

Ion Ratio Lower Upper

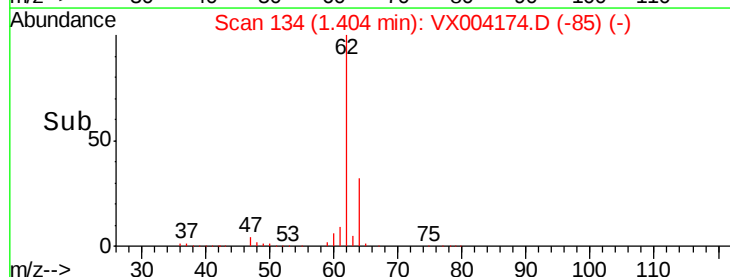
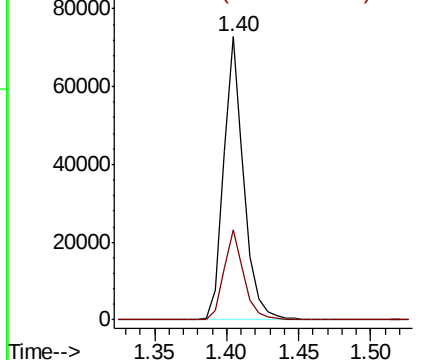
62 100

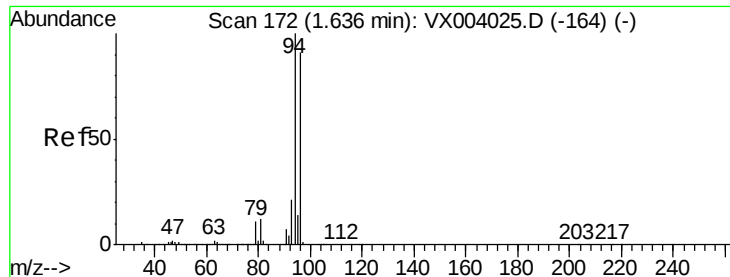
64 32.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.33 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion: 94 Resp: 40730

Ion Ratio Lower Upper

94 100

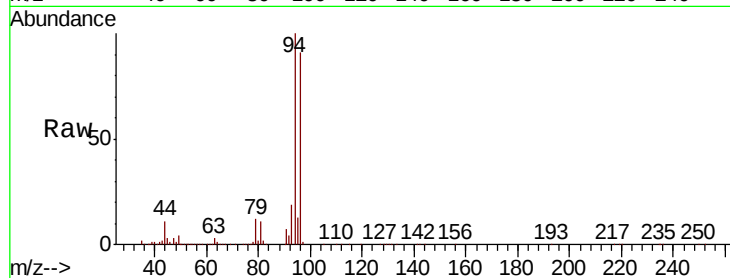
96 91.0 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

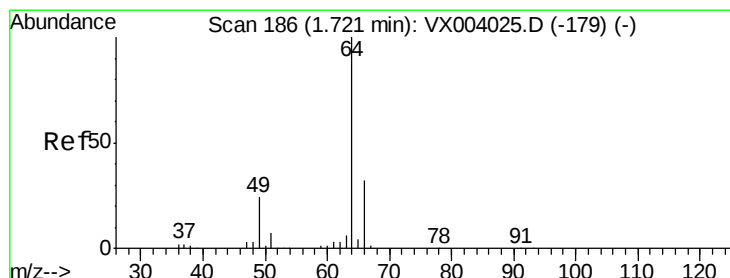
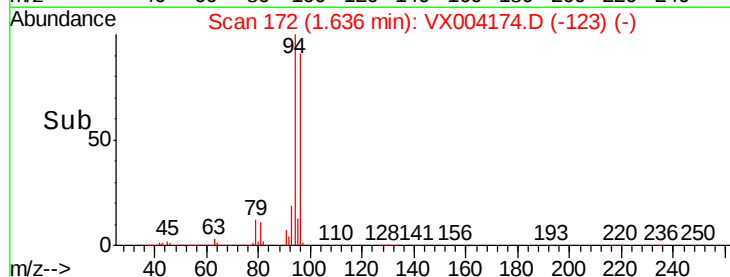
20000

10000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 18.39 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004174.D

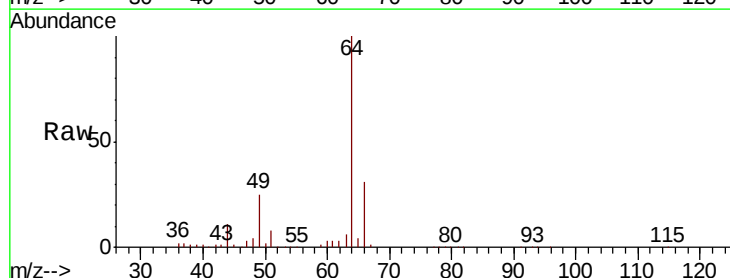
Acq: 21 Aug 2018 14:31

Tgt Ion: 64 Resp: 50474

Ion Ratio Lower Upper

64 100

66 31.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

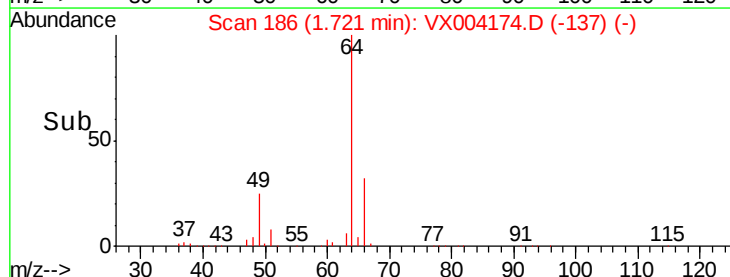
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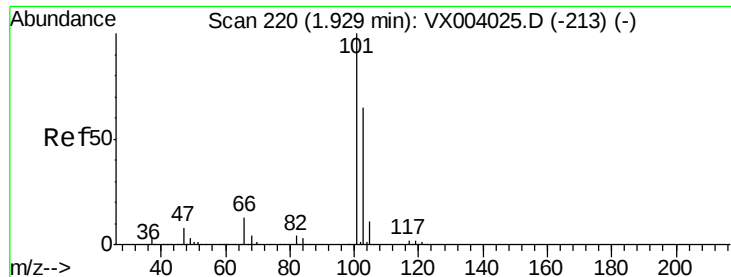
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Time-->

1.65 1.70 1.75 1.80





#7

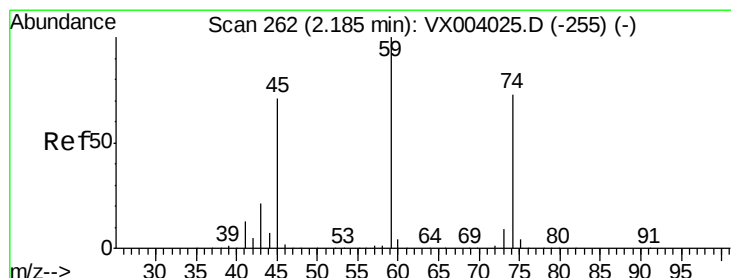
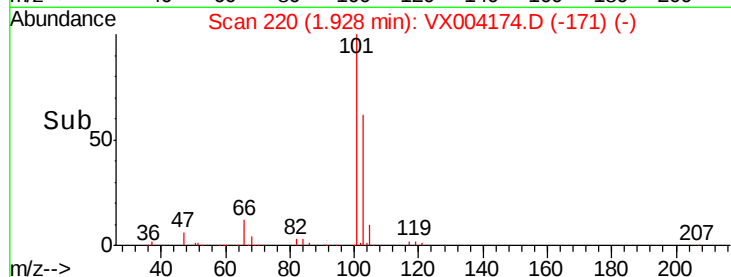
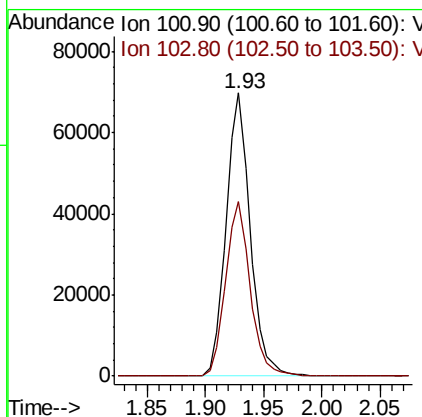
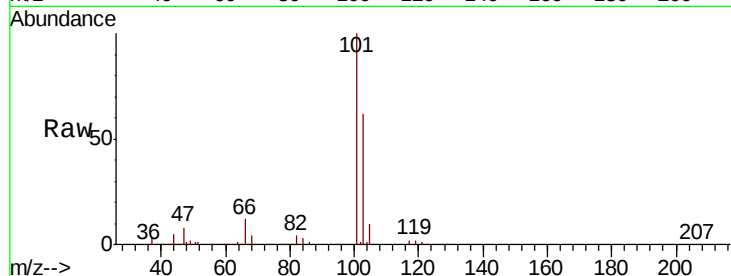
Trichlorofluoromethane
Concen: 18.16 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
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ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	52.3	78.5

Manual Integrations
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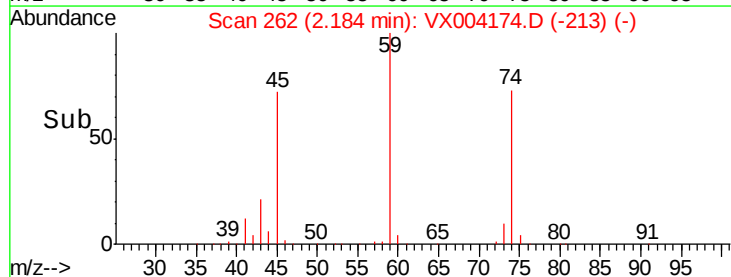
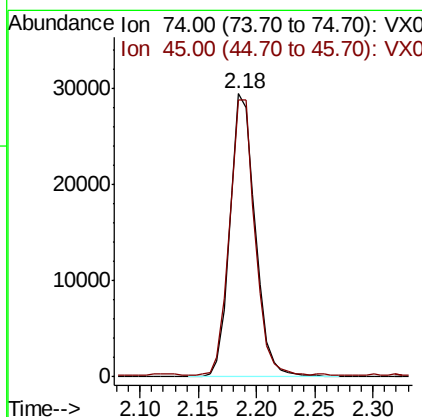
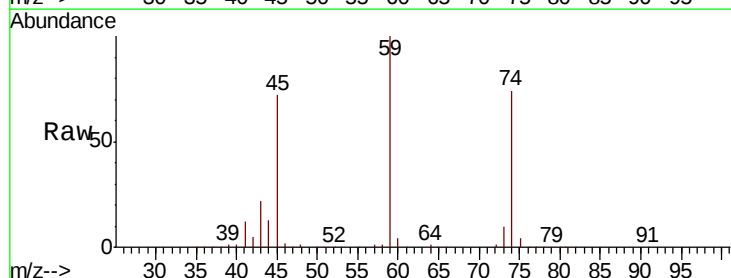
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8/22/2018 11:16:53 AM

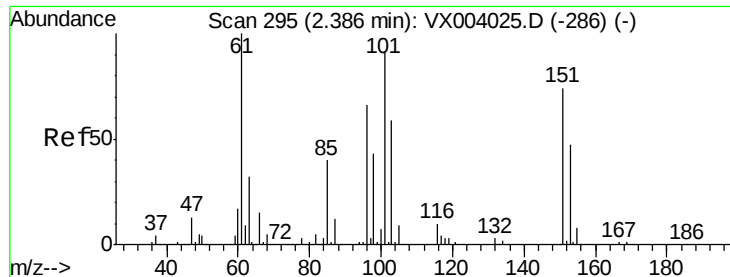


#8

Diethyl Ether
Concen: 18.46 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.12 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

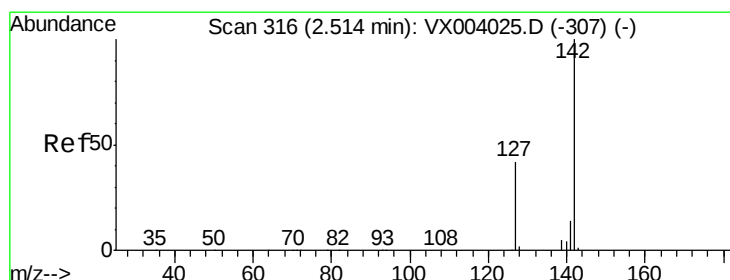
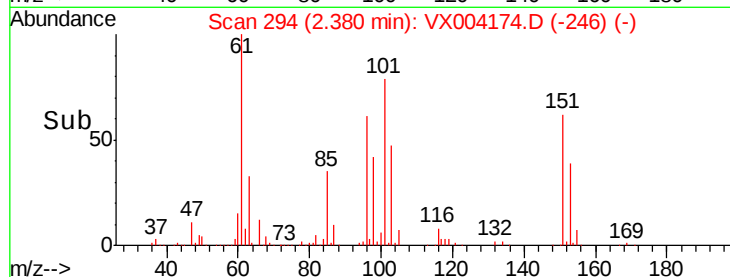
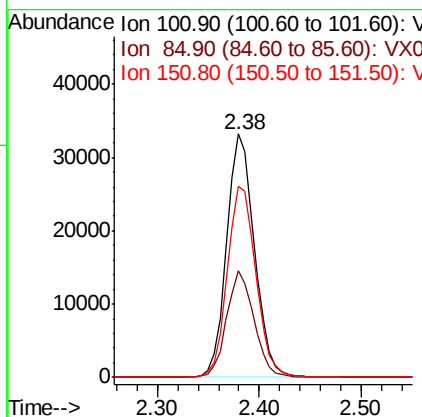
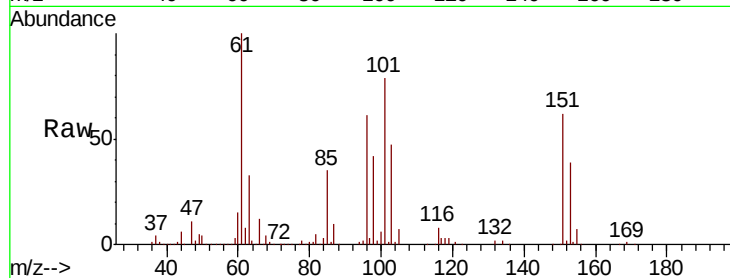
ClientSampleId :

VX0821WBSD01

Tot Ion:	101	Resp:	62382
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.2	51.4
151	80.7	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.09 ug/l

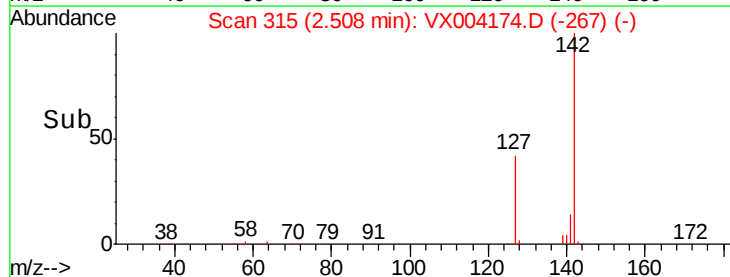
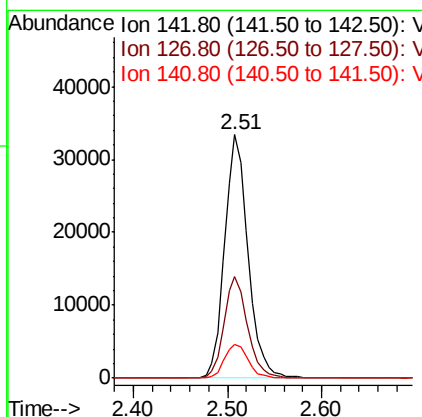
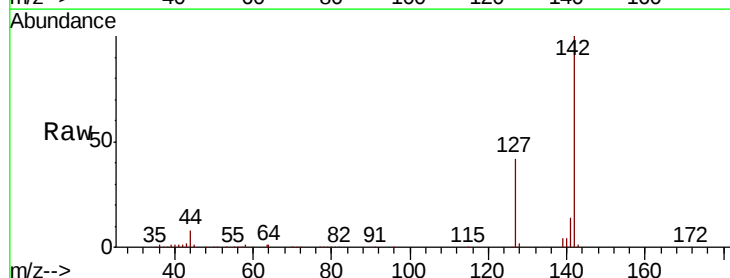
RT: 2.51 min Scan# 315

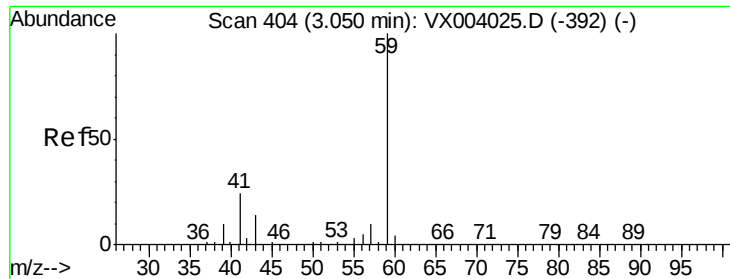
Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Tgt Ion:	142	Resp:	57524
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.1	49.7
141	14.2	11.1	16.7





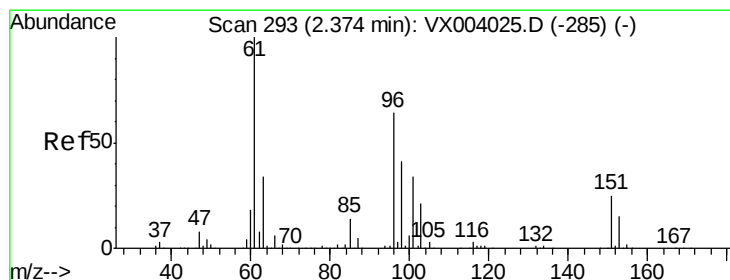
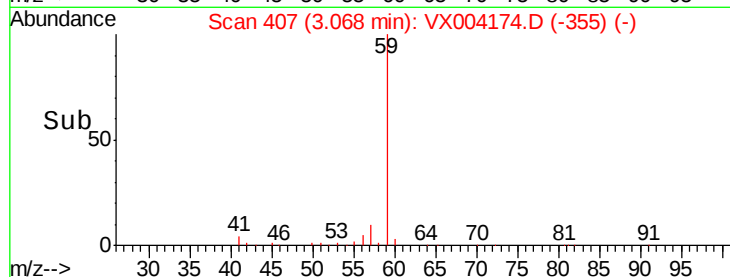
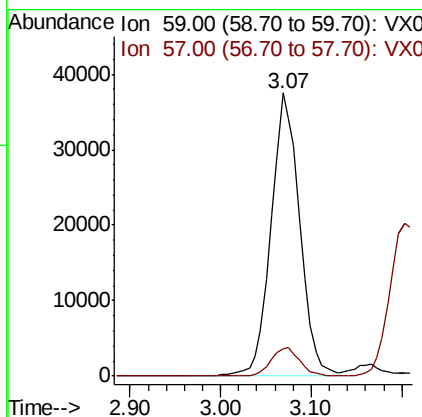
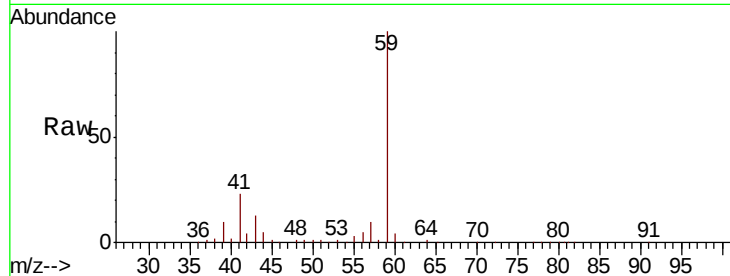
#11
Tert butyl alcohol
Concen: 95.13 ug/l
RT: 3.07 min Scan# 407
Delta R.T. 0.02 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion: 59 Resp: 82133
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1

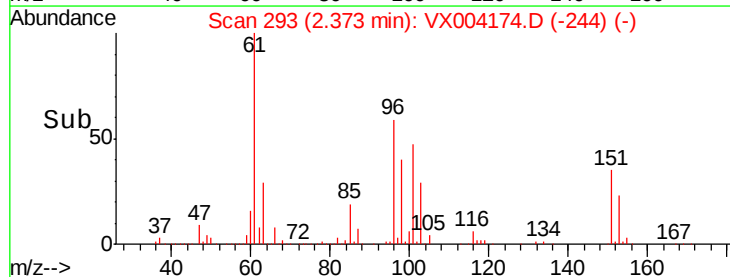
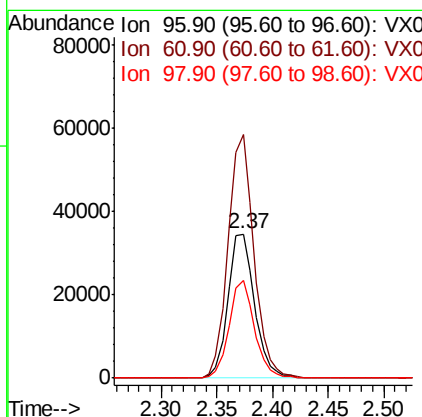
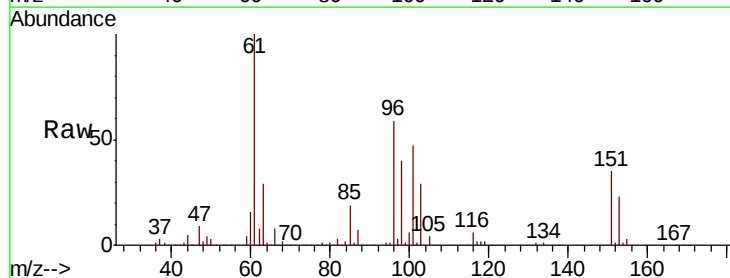
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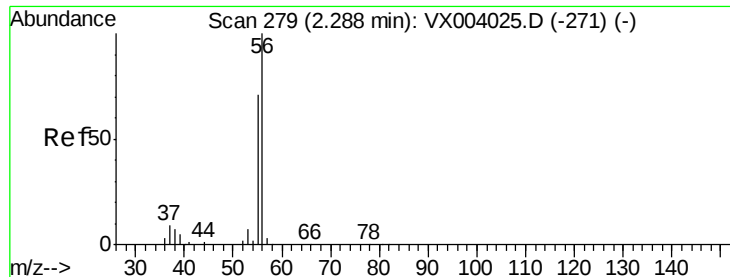
MMDadoda
8/22/2018 11:16:53 AM



#12
1,1-Dichloroethene
Concen: 17.93 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 96 Resp: 57410
Ion Ratio Lower Upper
96 100
61 169.2 131.3 196.9
98 68.1 51.8 77.6





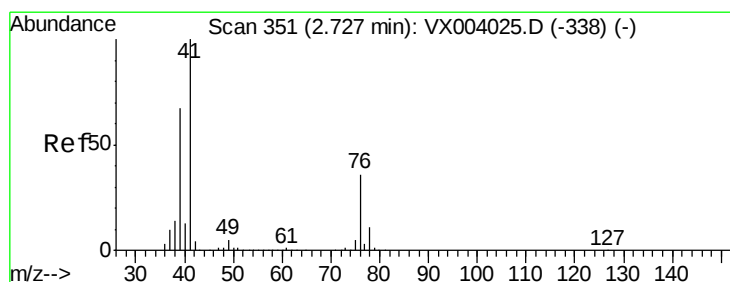
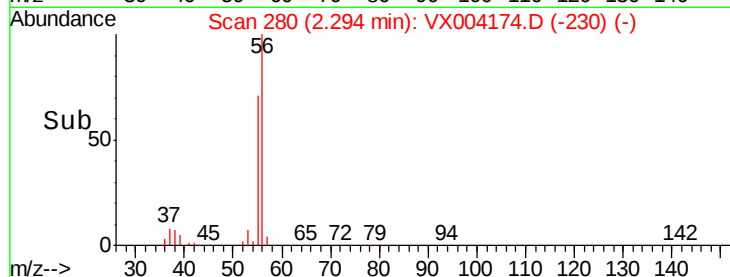
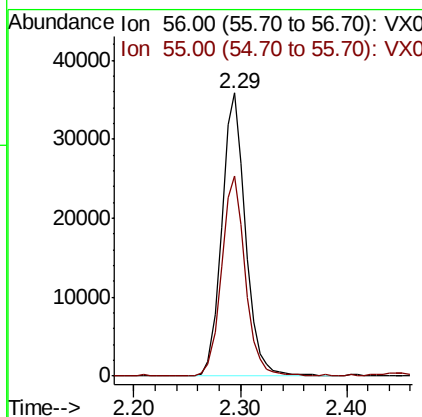
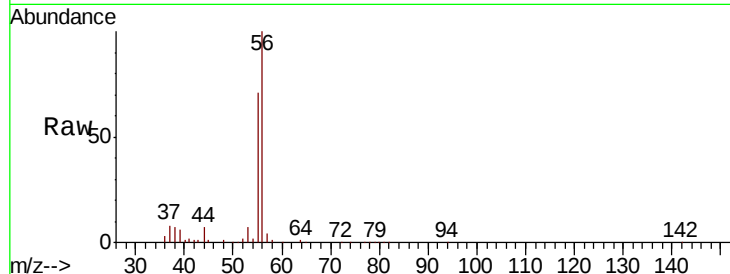
#13
Acrolein
Concen: 102.13 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.1	84.1

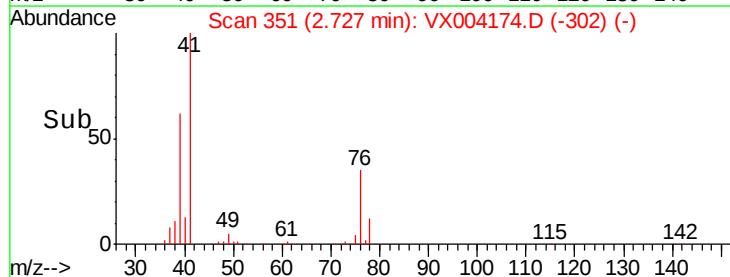
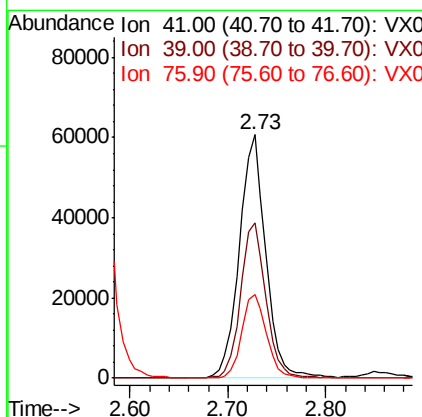
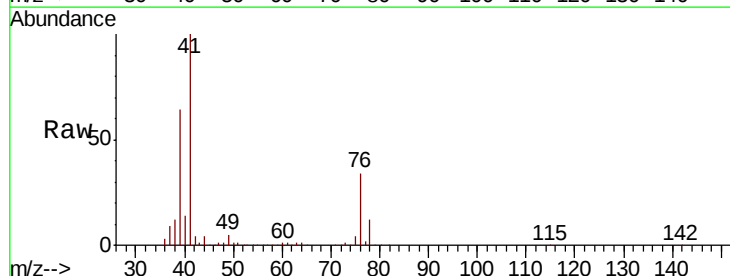
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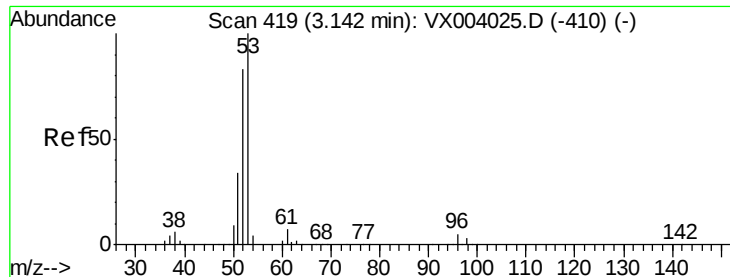
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#14
Allyl chloride
Concen: 18.58 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.7	47.4	71.0
76	32.1	26.0	39.0





#15

Acrylonitrile

Concen: 95.27 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

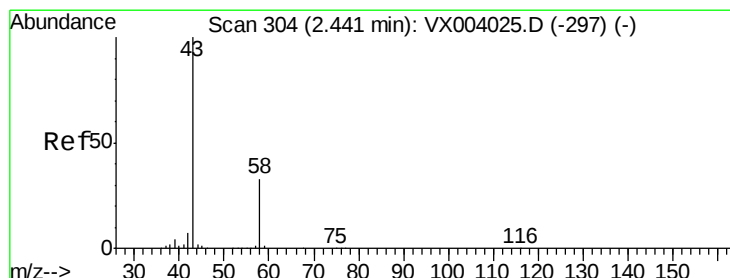
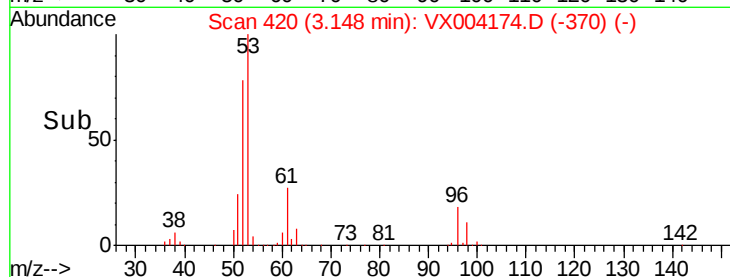
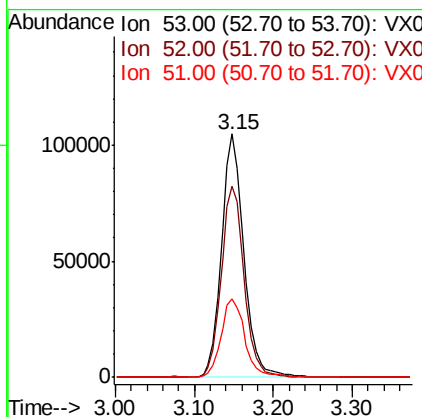
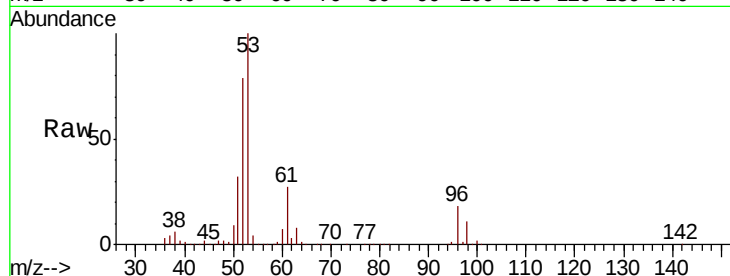
ClientSampleId :

VX0821WBSD01

Tot Ion:	53	Resp:	205082
Ion Ratio		Lower	Upper
53	100		
52	80.8	65.3	97.9
51	34.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 92.52 ug/l

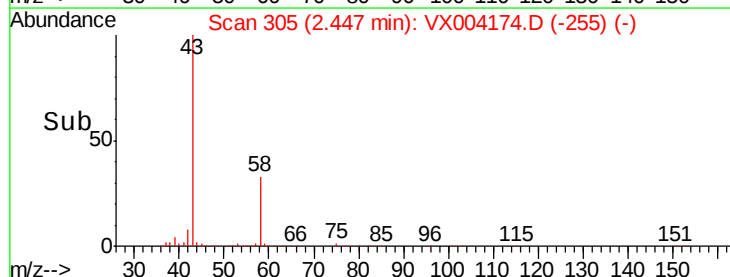
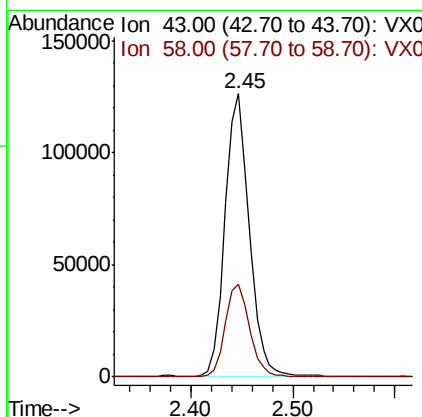
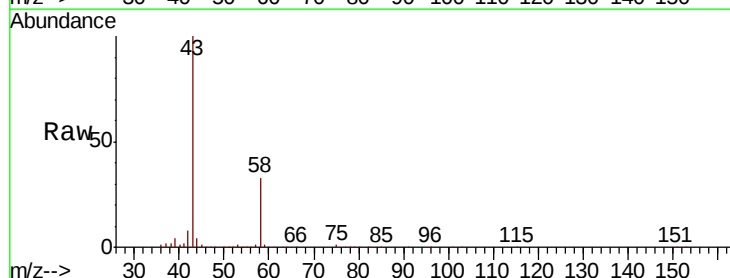
RT: 2.45 min Scan# 305

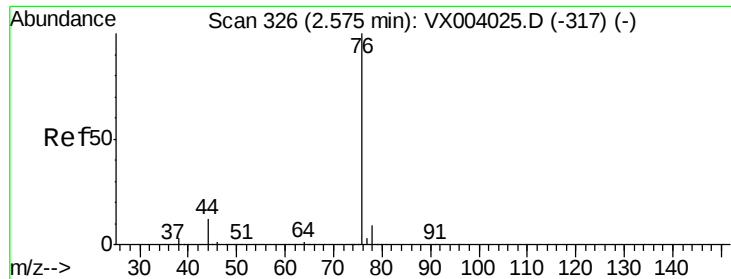
Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Tgt Ion:	43	Resp:	206227
Ion Ratio		Lower	Upper
43	100		
58	32.7	26.4	39.6





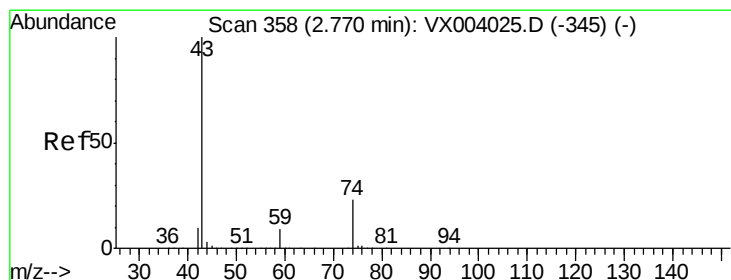
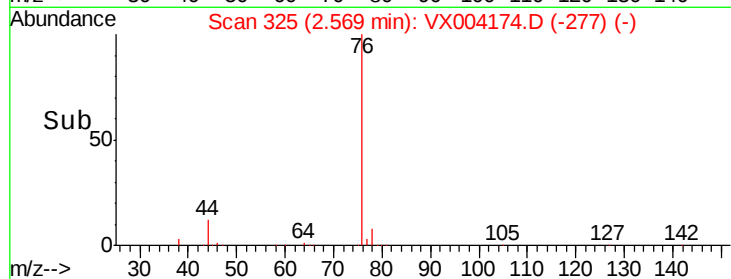
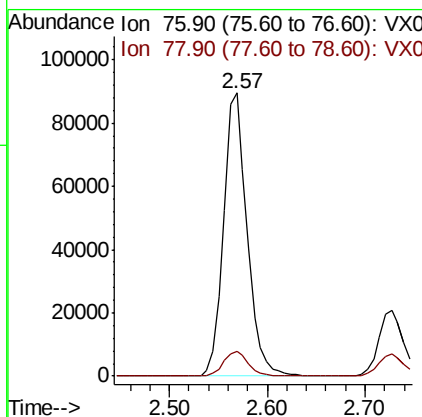
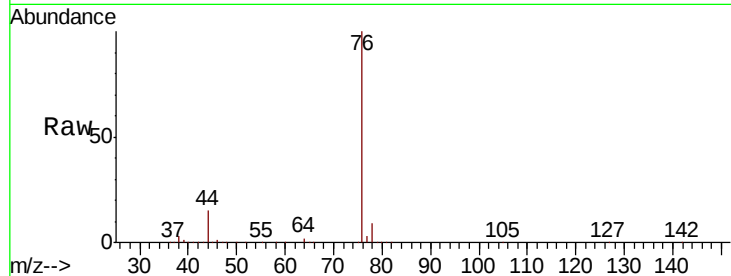
#17
Carbon Disulfide
Concen: 16.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.5	11.3

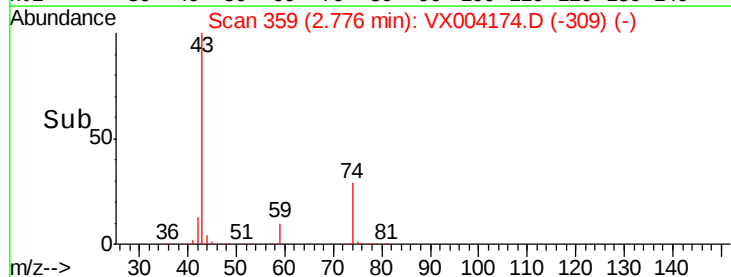
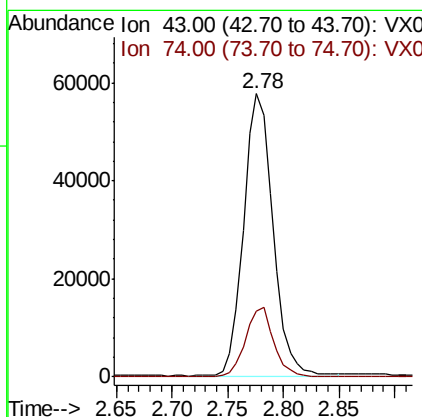
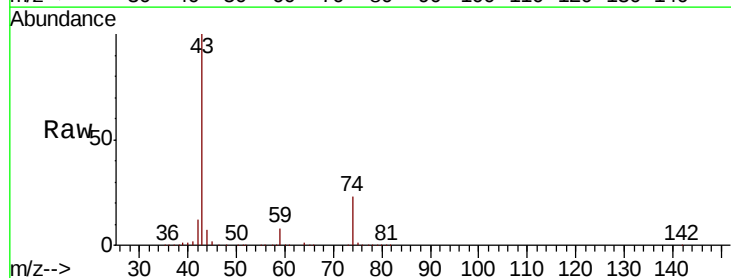
Manual Integrations
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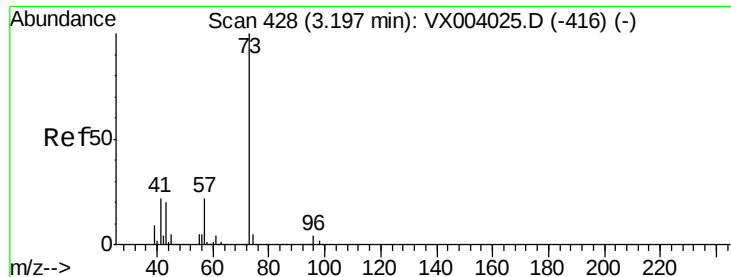
MMDadoda
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#18
Methyl Acetate
Concen: 21.28 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.9	28.3





#19

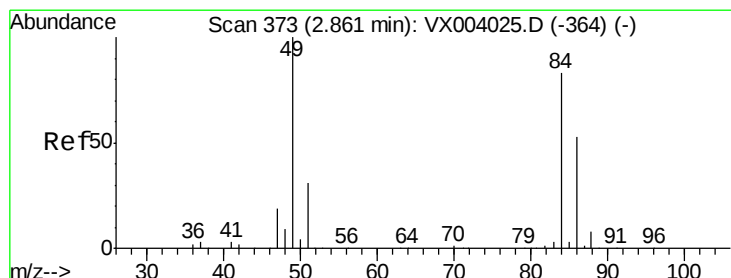
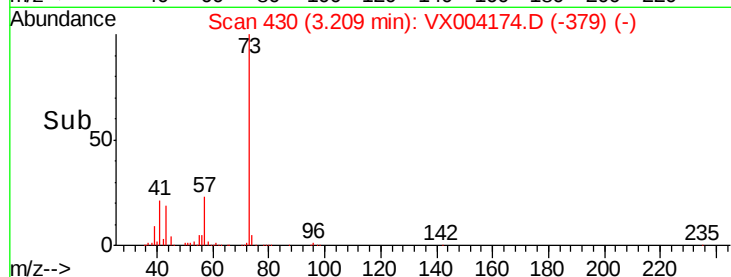
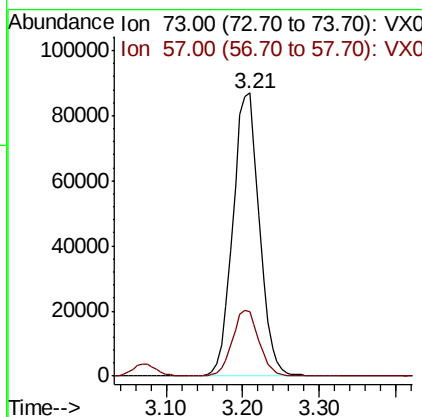
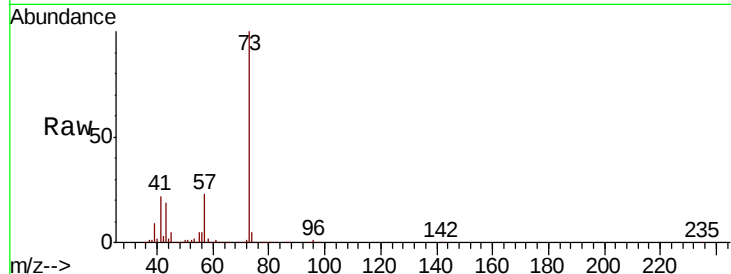
Methyl tert-butyl Ether
 Concen: 18.54 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.0	27.0

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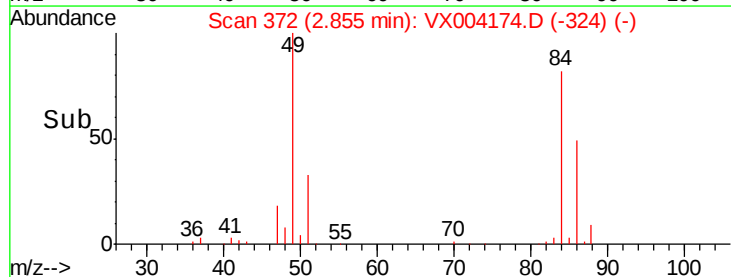
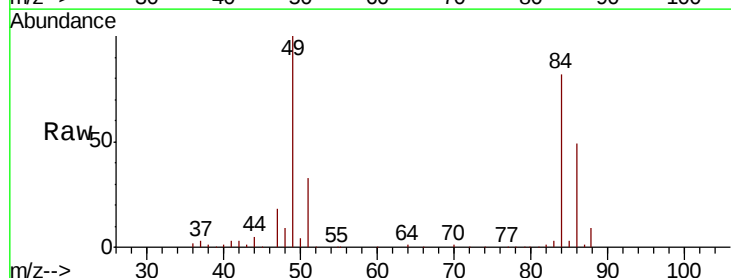
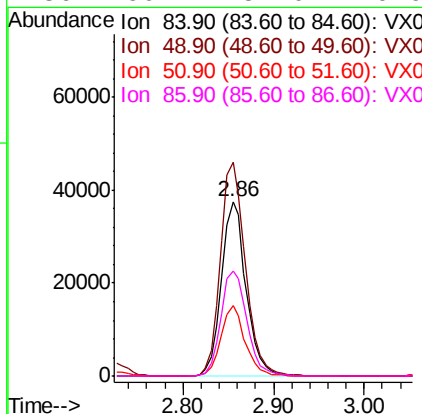
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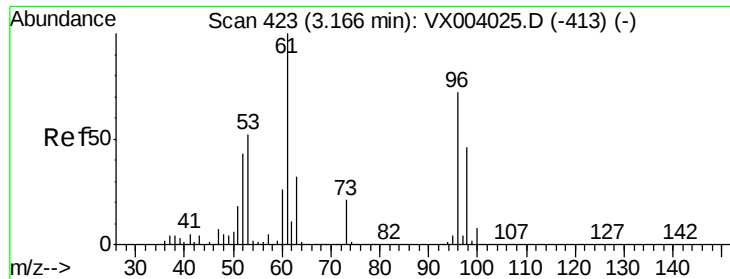


#20

Methylene Chloride
 Concen: 19.12 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.6	98.9	148.3
51	40.3	29.9	44.9
86	60.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 17.80 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

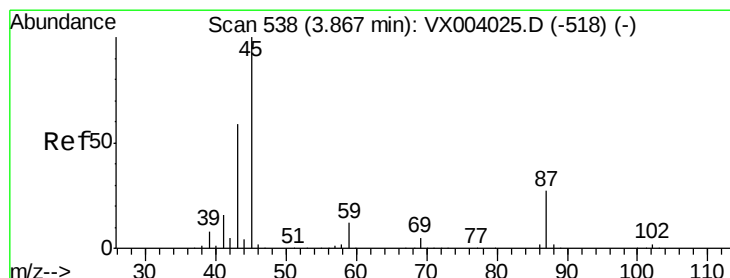
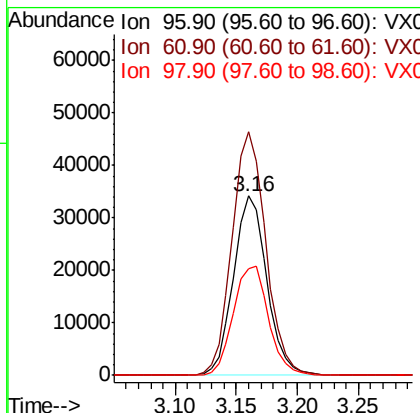
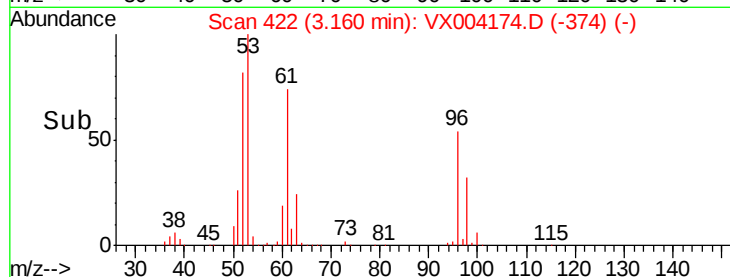
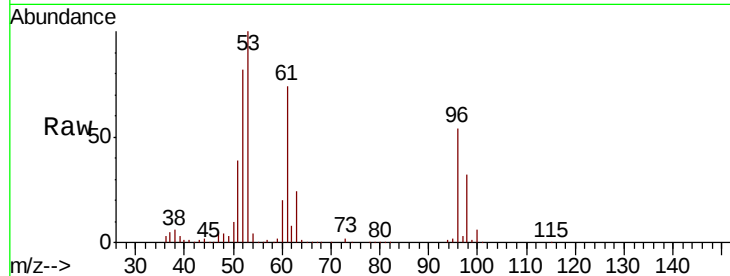
ClientSampleId :

VX0821WBSD01

Tot Ion:	96	Resp:	64694
Ion	Ratio	Lower	Upper
96	100		
61	136.0	111.8	167.6
98	59.7	51.8	77.6

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#22

Diisopropyl ether

Concen: 18.44 ug/l

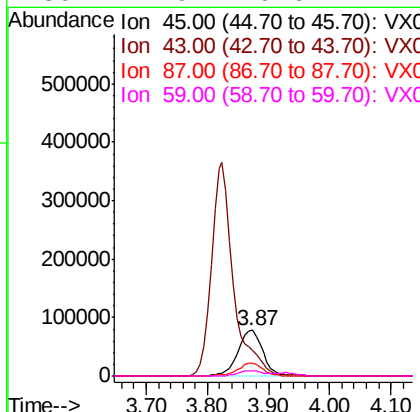
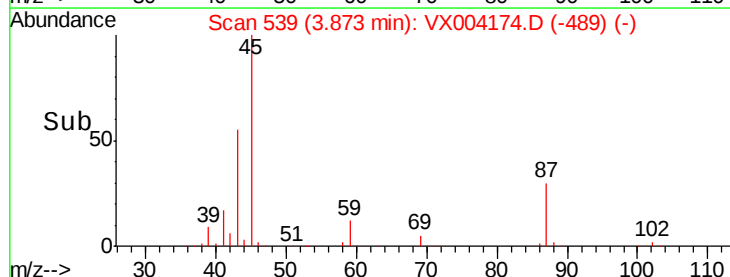
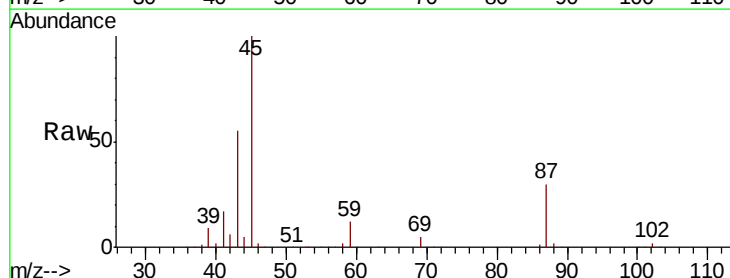
RT: 3.87 min Scan# 539

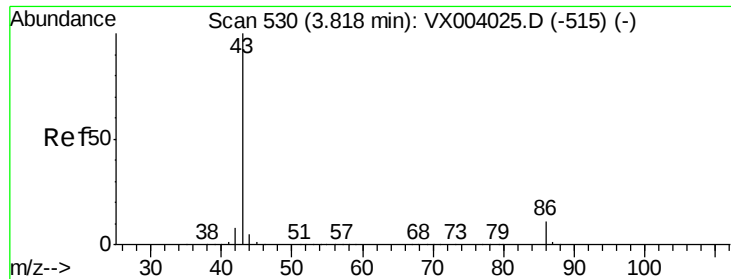
Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Tgt Ion:	45	Resp:	220145
Ion	Ratio	Lower	Upper
45	100		
43	54.9	45.3	67.9
87	29.6	22.7	34.1
59	11.9	9.6	14.4





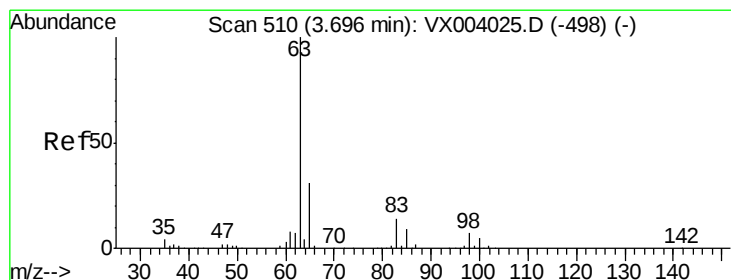
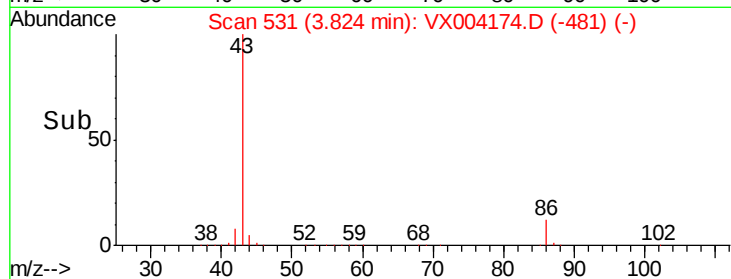
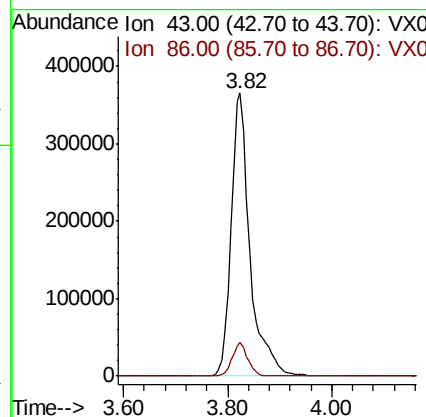
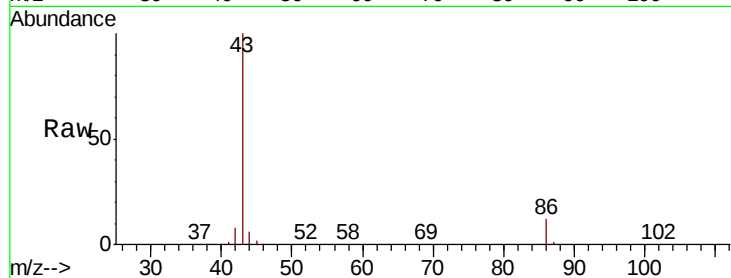
#23
 Vinyl Acetate
 Concen: 94.80 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.9	13.3

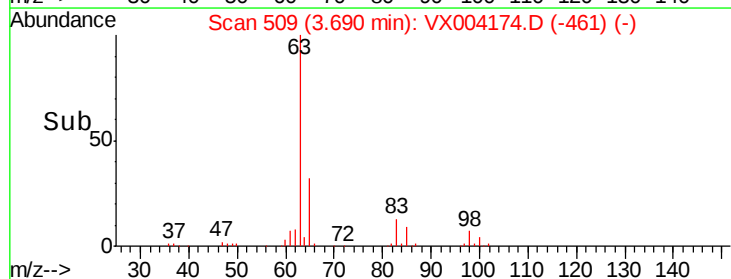
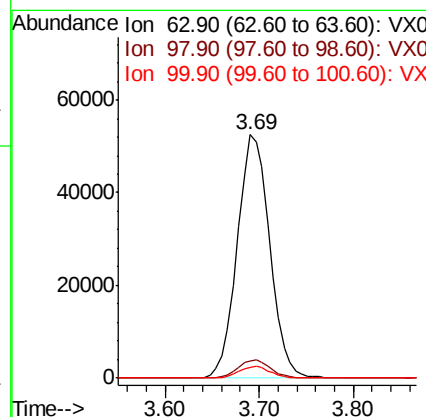
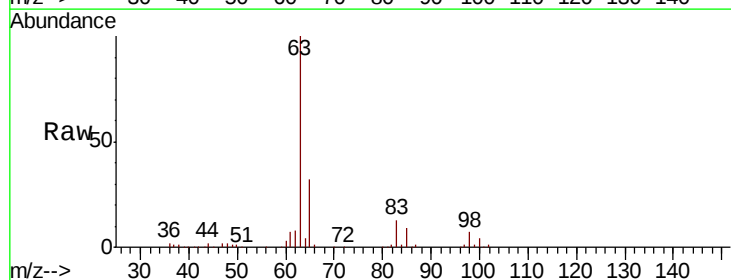
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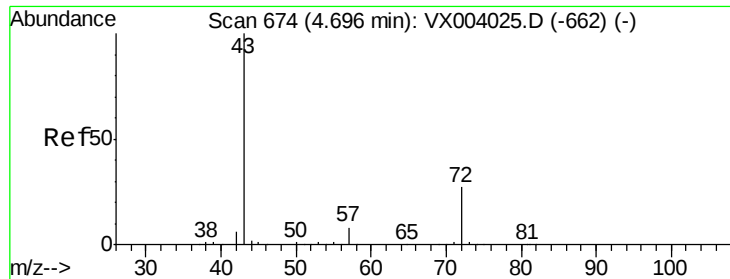
MMDadoda
 8/22/2018 11:16:53 AM



#24
 1,1-Dichloroethane
 Concen: 18.69 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	4.4	2.3	6.8





#25

2-Butanone

Concen: 94.67 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion: 43 Resp: 343370

Ion Ratio Lower Upper

43 100

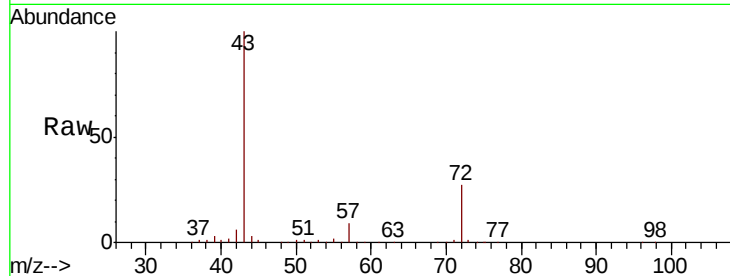
72 27.2 21.4 32.0

Manual Integrations

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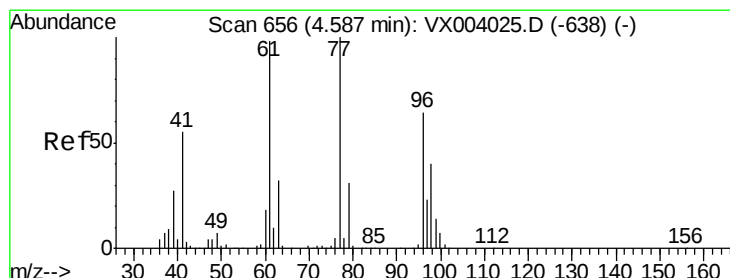
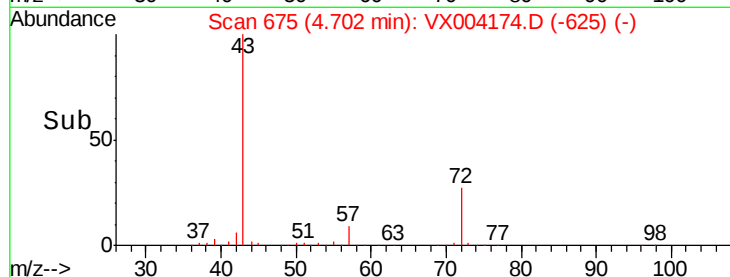
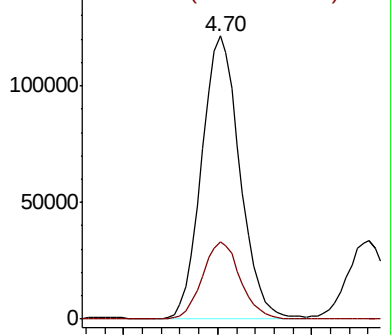
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.04 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004174.D

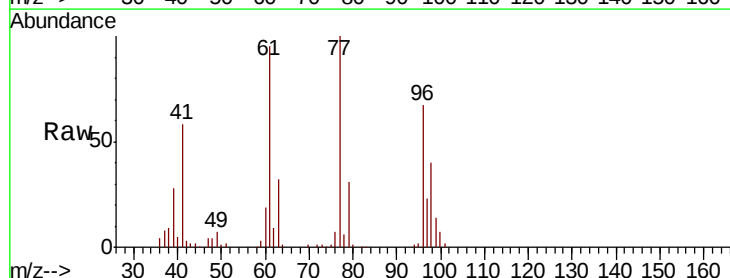
Acq: 21 Aug 2018 14:31

Tgt Ion: 77 Resp: 96977

Ion Ratio Lower Upper

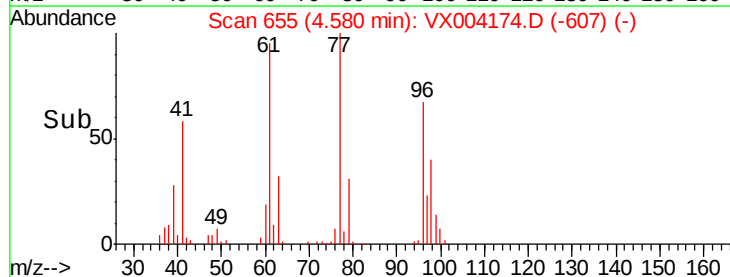
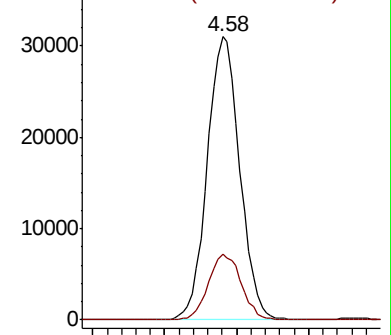
77 100

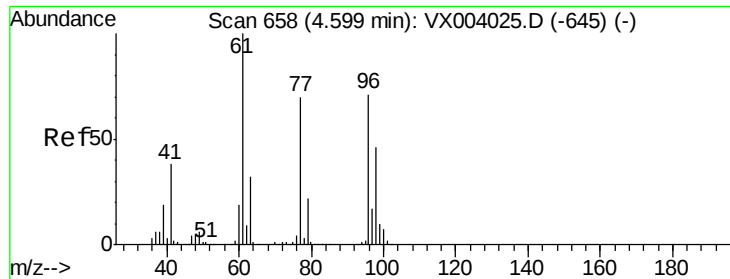
97 23.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

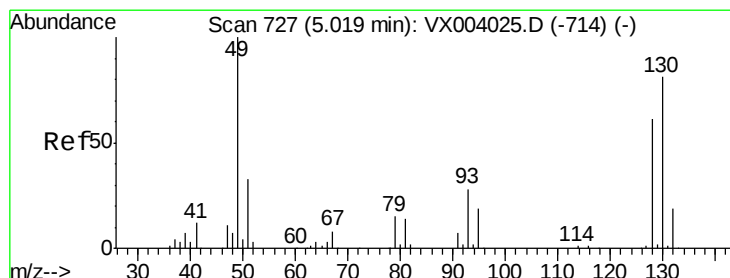
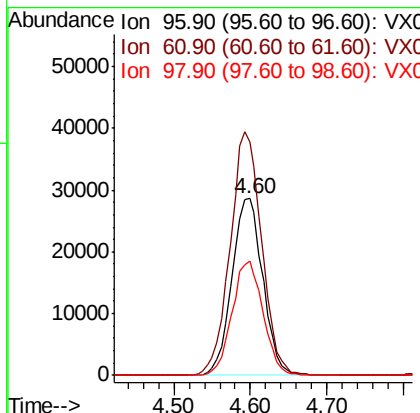
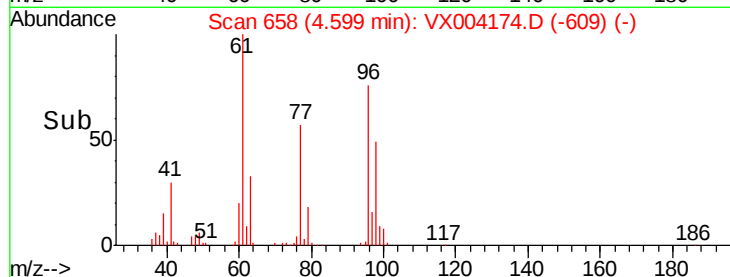
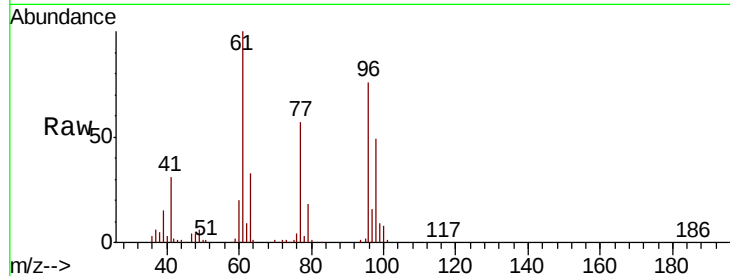
cis-1,2-Dichloroethene
 Concen: 19.56 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	293.0
98	64.8	0.0	131.8

Manual Integrations
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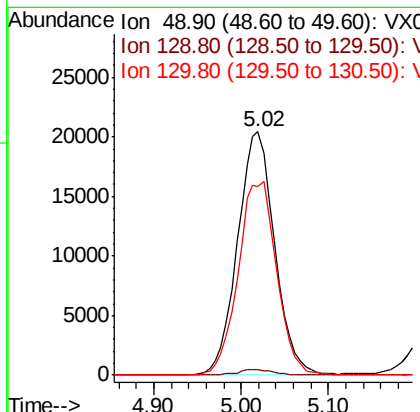
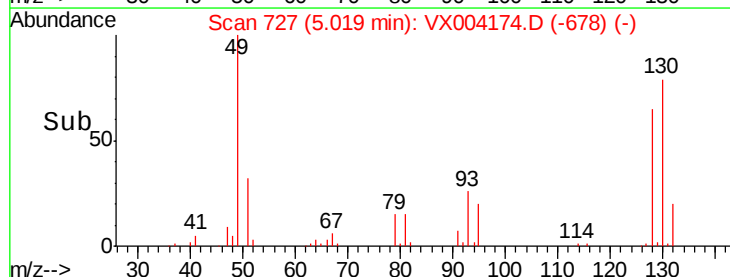
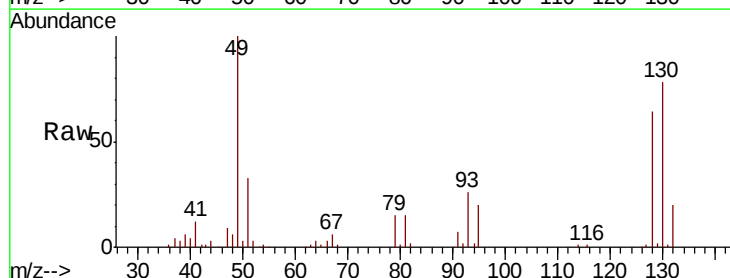
MMDadoda
 8/22/2018 11:16:53 AM

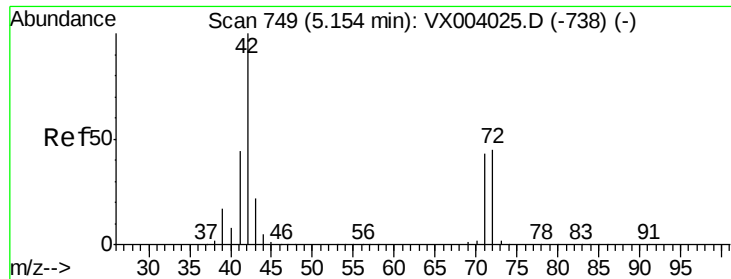


#28

Bromochloromethane
 Concen: 19.44 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	82.4	66.5	99.7





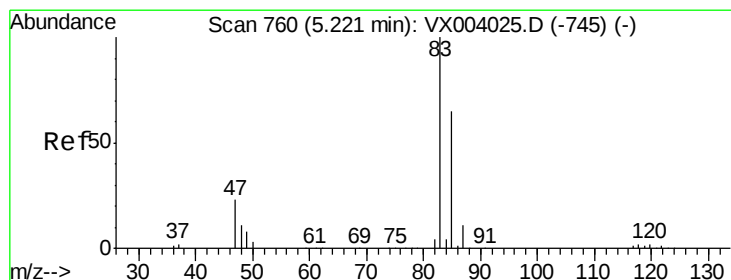
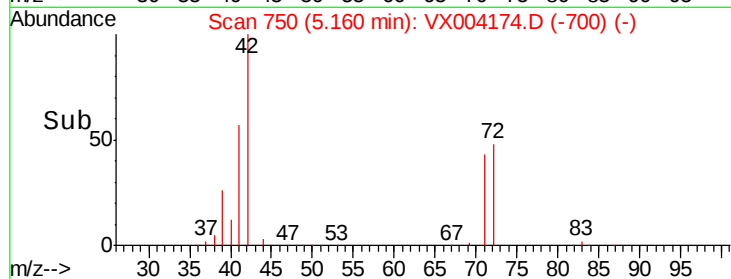
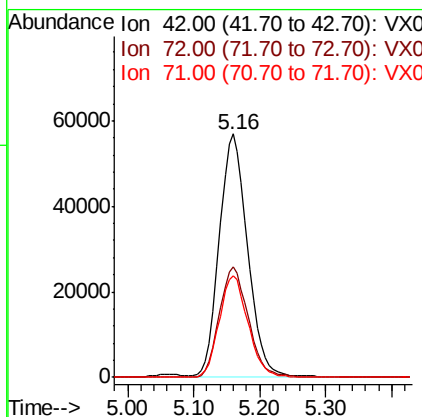
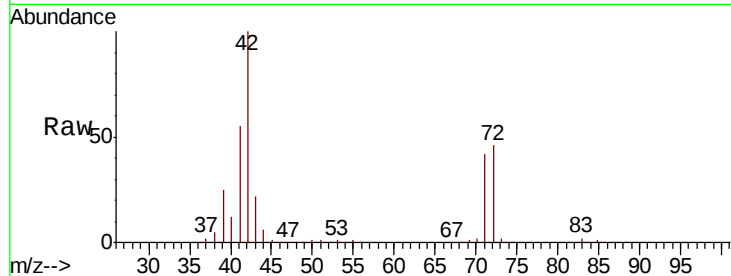
#29
Tetrahydrofuran
Concen: 90.60 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.7	56.5
71	42.7	35.0	52.6

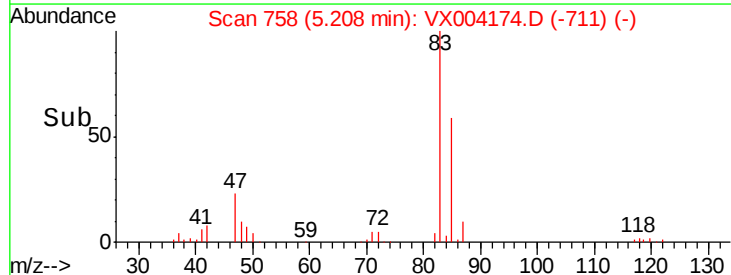
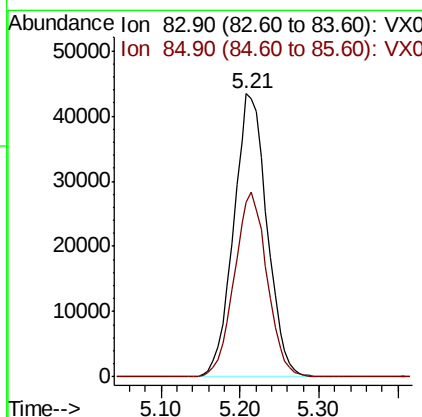
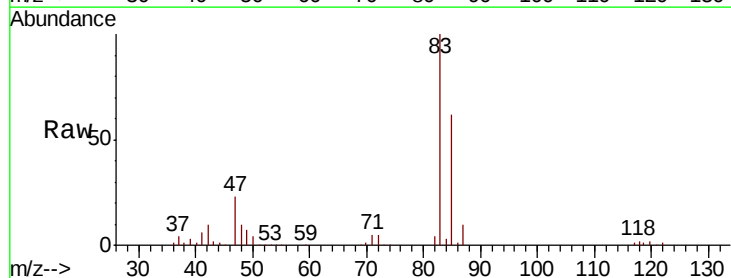
Manual Integrations
APPROVED

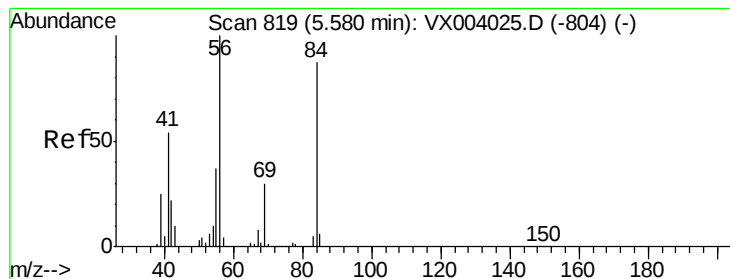
MMDadoda
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#30
Chloroform
Concen: 19.30 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.7	76.1





#31

Cyclohexane

Concen: 17.85 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

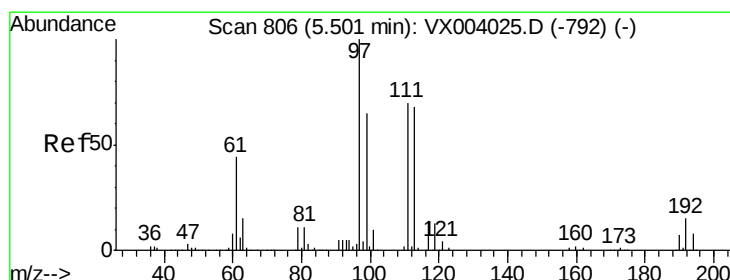
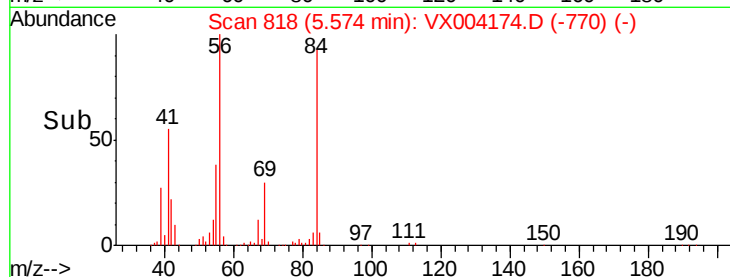
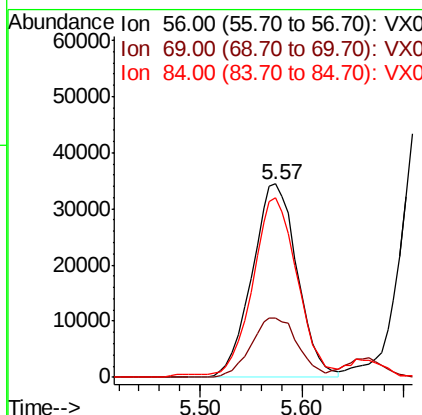
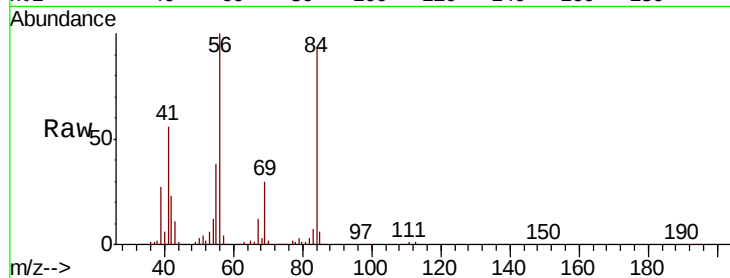
ClientSampleId :

VX0821WBSD01

Tot Ion:	56	Resp:	105807
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.9	37.3
84	91.5	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.24 ug/l

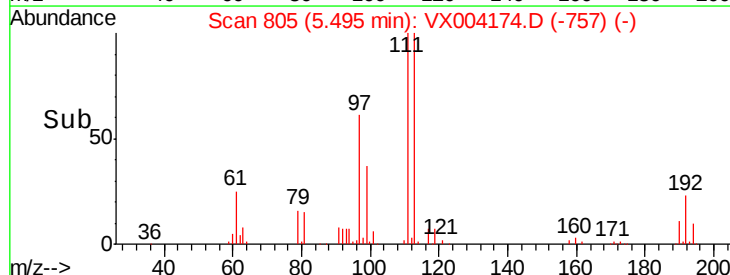
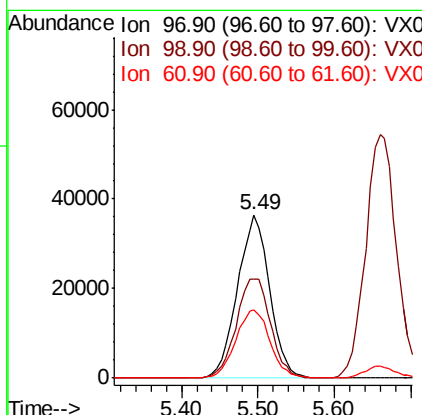
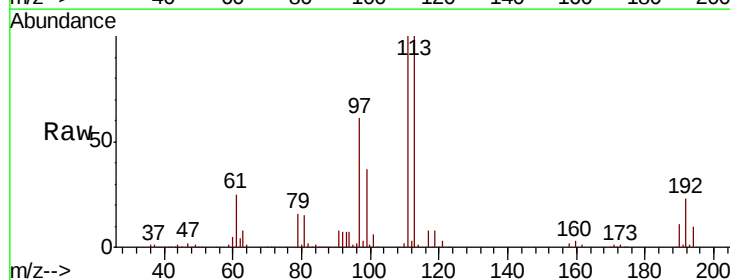
RT: 5.49 min Scan# 805

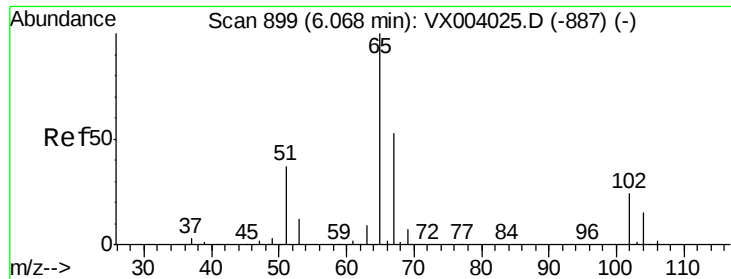
Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Tgt Ion:	97	Resp:	106086
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	44.6	34.4	51.6





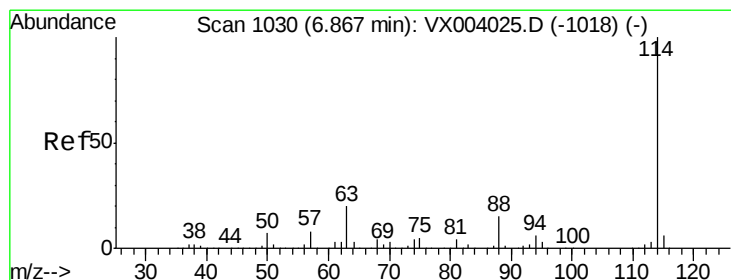
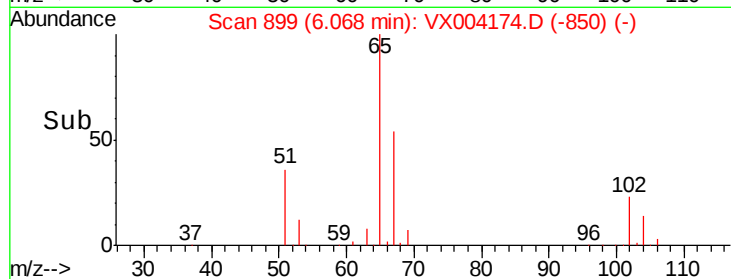
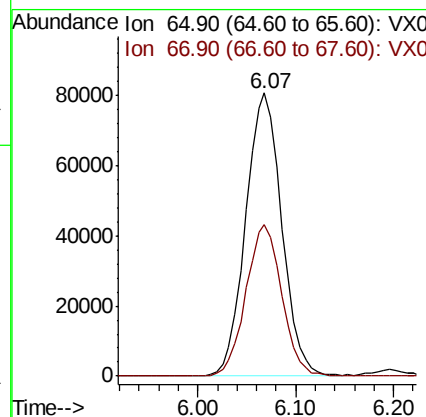
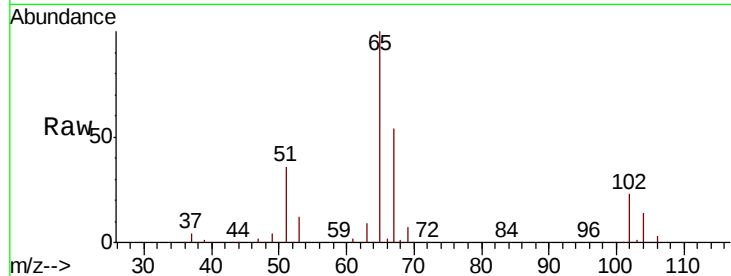
#33
 1,2-Dichloroethane-d4
 Concen: 48.30 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207064		
67	53.2	0.0	105.8	

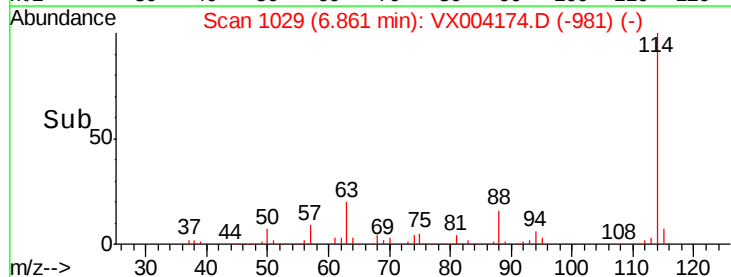
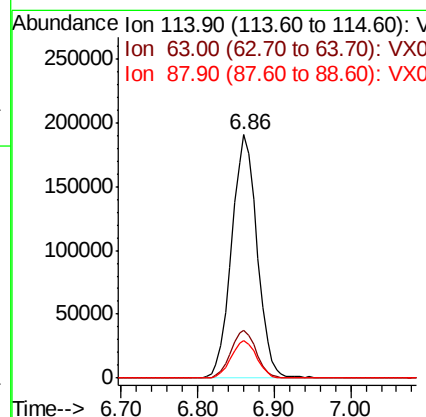
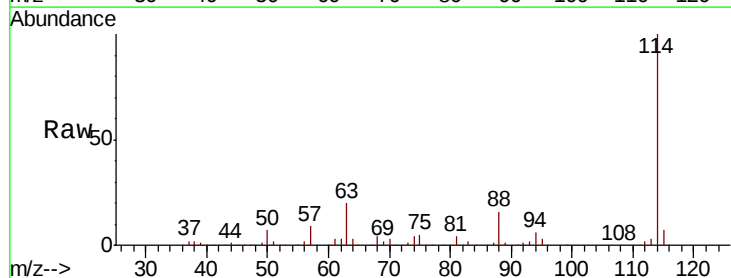
Manual Integrations
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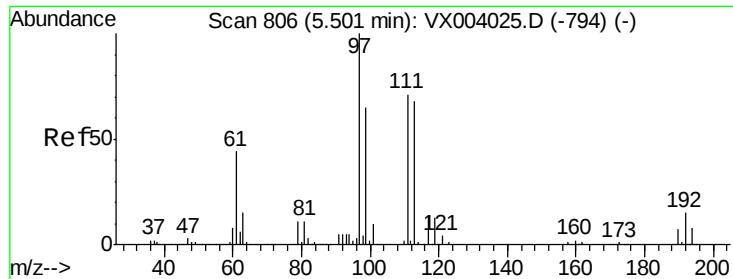
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	439006		
63	19.9	0.0	39.0	
88	15.6	0.0	32.0	





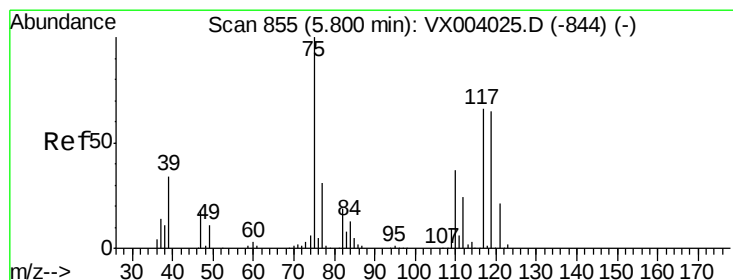
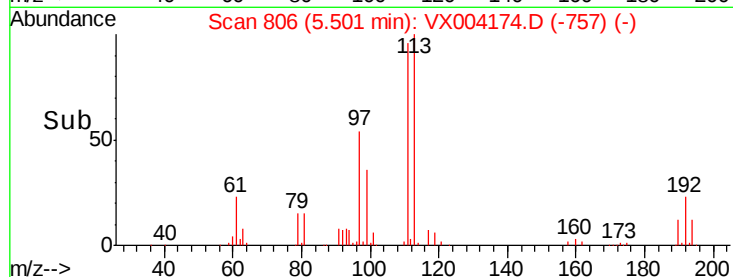
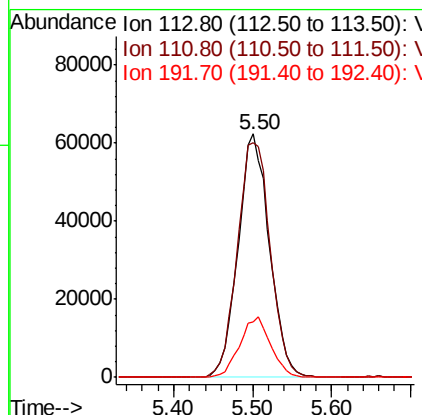
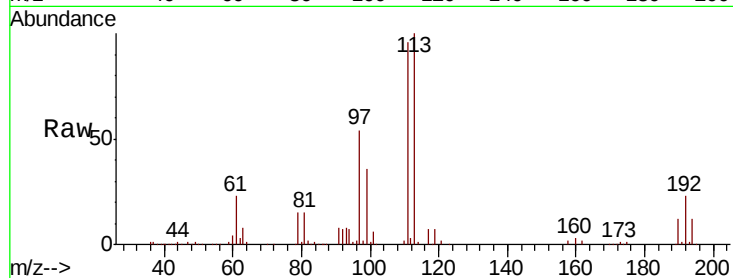
#35
Dibromofluoromethane
Concen: 52.52 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	172553		
111	101.7	82.0	123.0	
192	24.3	19.0	28.4	

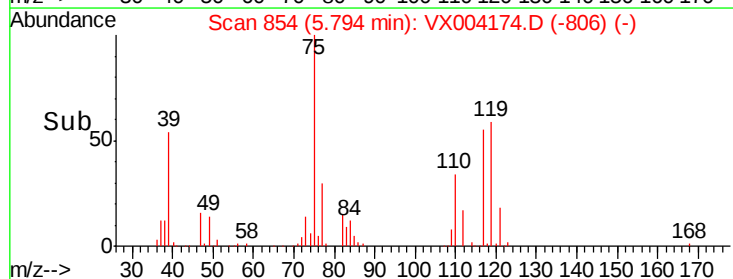
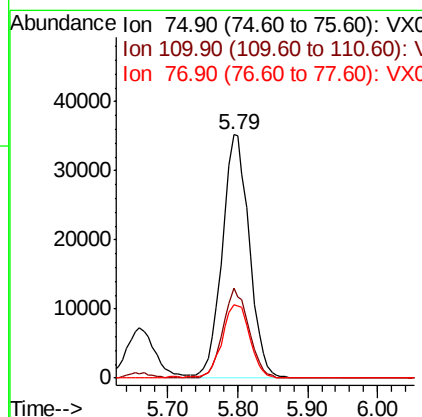
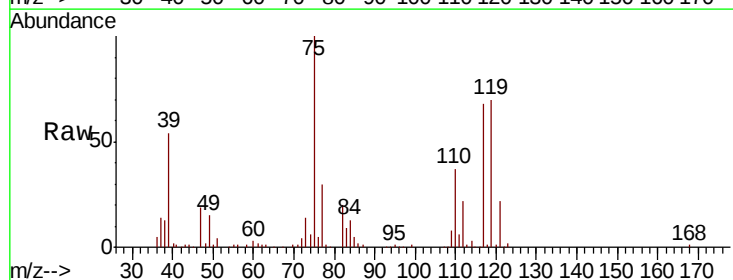
Manual Integrations
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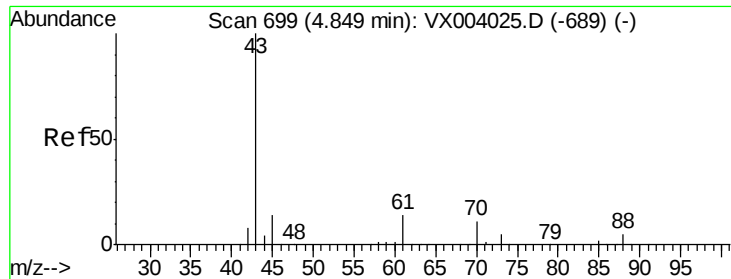
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.04 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95126		
110	35.2	18.2	54.6	
77	31.0	25.0	37.4	





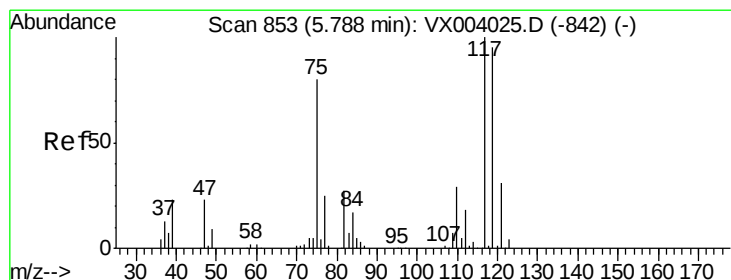
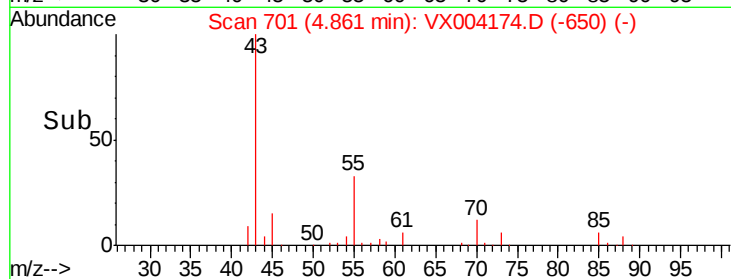
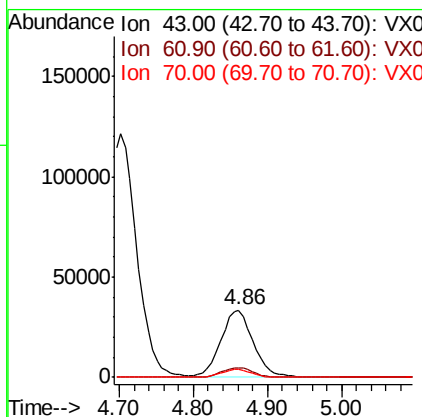
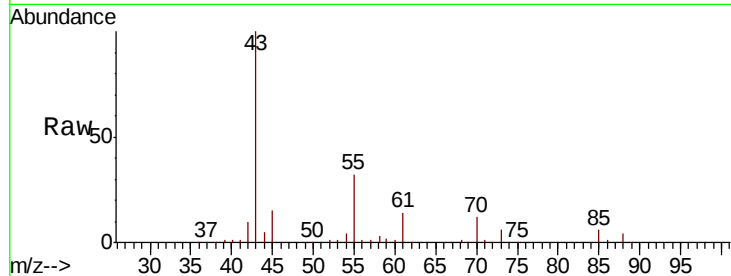
#37
Ethyl Acetate
Concen: 18.50 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.5	9.0	13.4

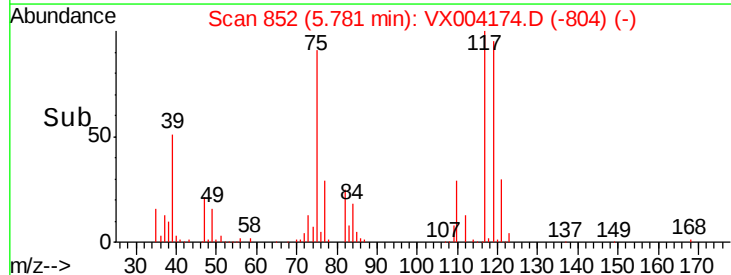
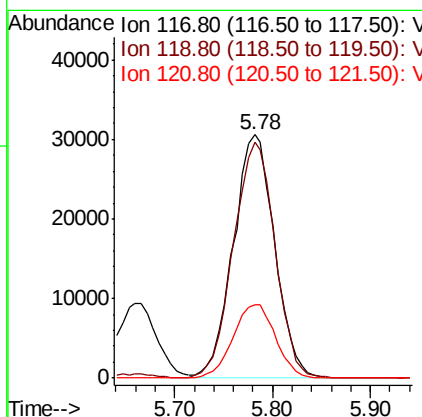
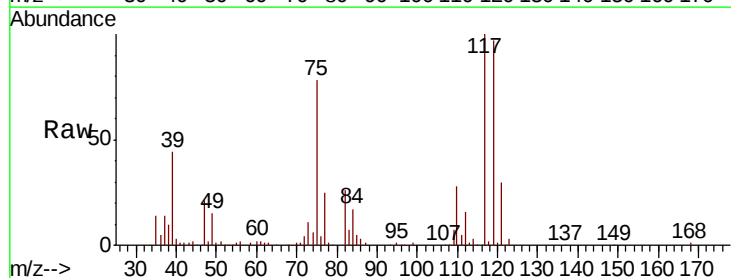
Manual Integrations
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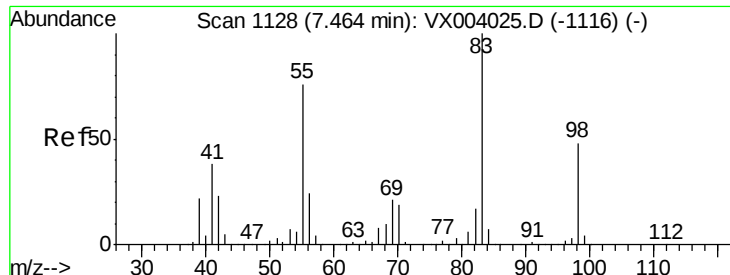
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#38
Carbon Tetrachloride
Concen: 18.54 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.5	119.3
121	30.3	25.0	37.4





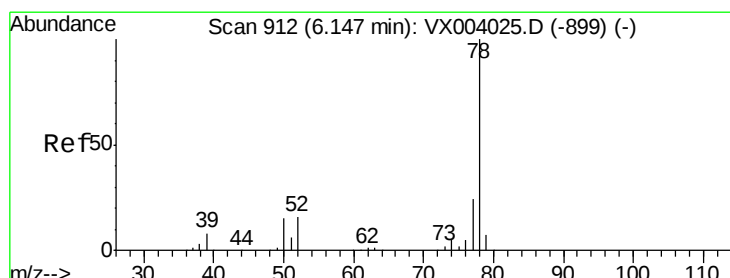
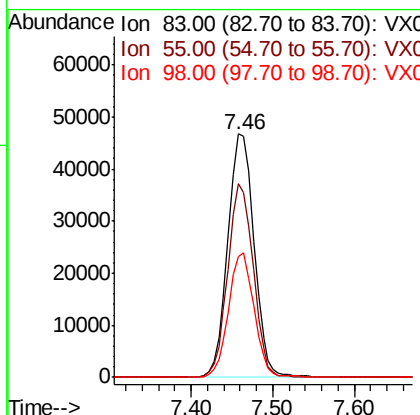
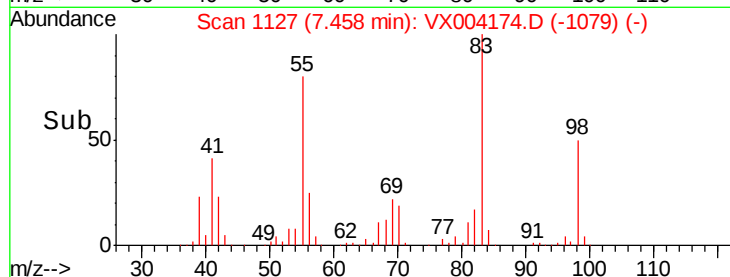
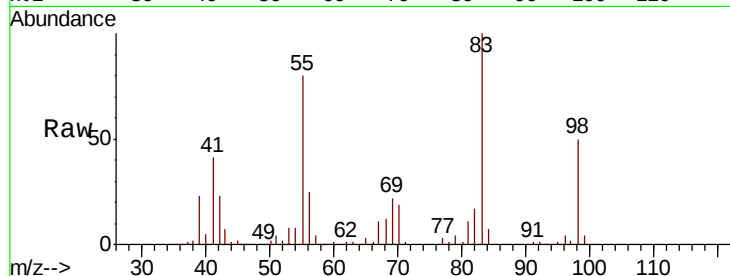
#39
Methvlcvclohexane
Concen: 18.31 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.0	91.6
98	49.8	38.6	57.8

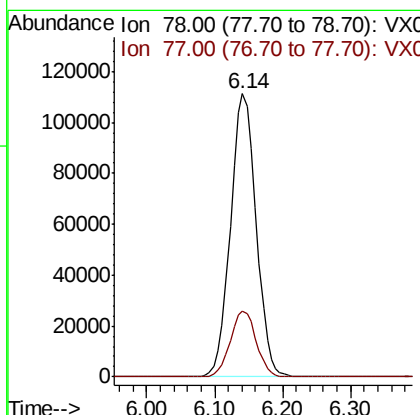
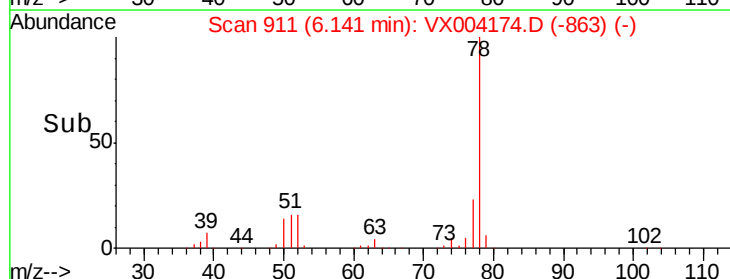
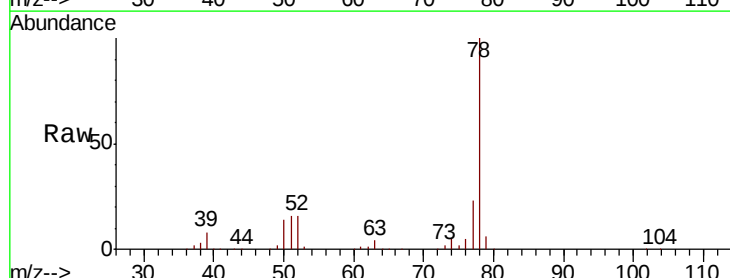
Manual Integrations
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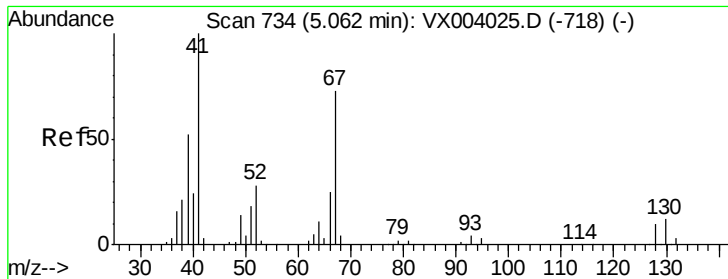
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#40
Benzene
Concen: 19.42 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





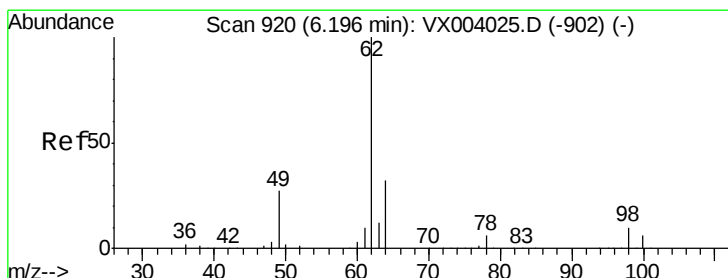
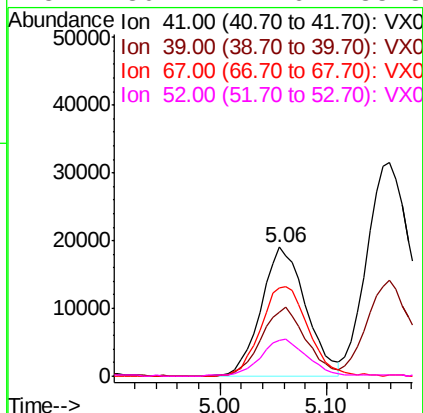
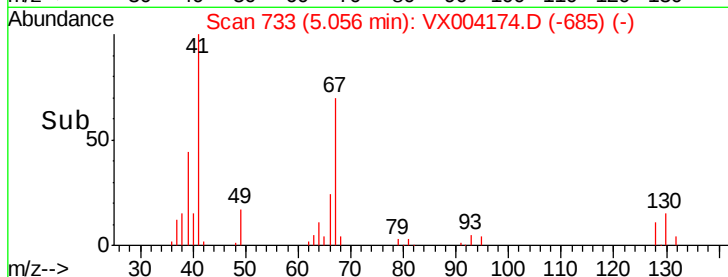
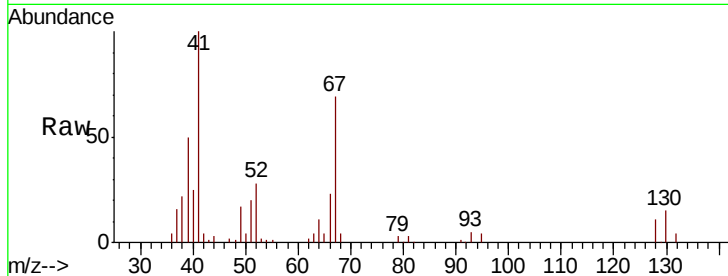
#41
Methacrylonitrile
Concen: 18.33 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.7	64.1
67	73.1	58.9	88.3
52	30.2	22.6	33.8

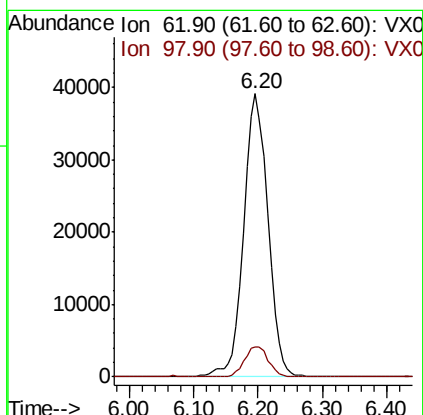
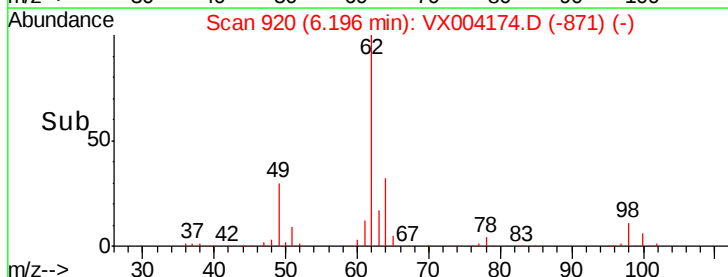
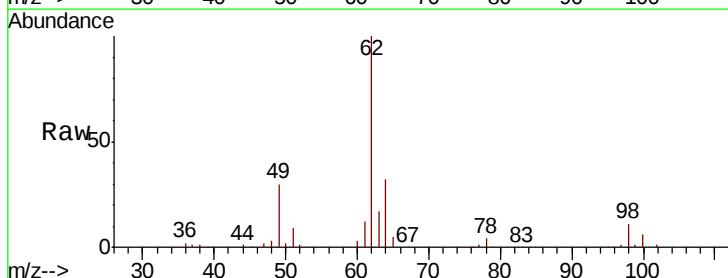
Manual Integrations
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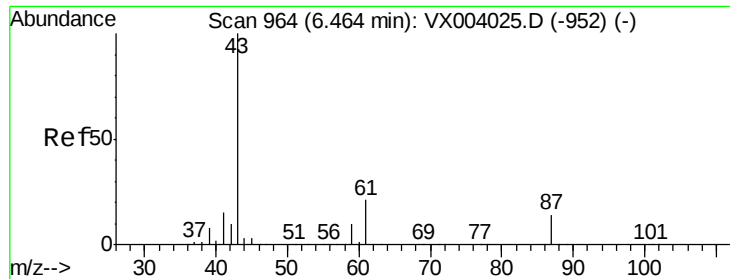
MMDadoda
8/22/2018 11:16:53 AM



#42
1,2-Dichloroethane
Concen: 19.24 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.4





#43

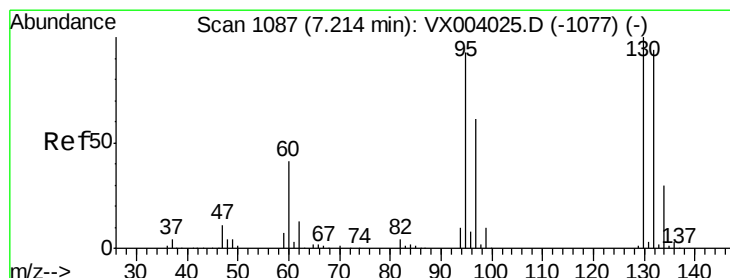
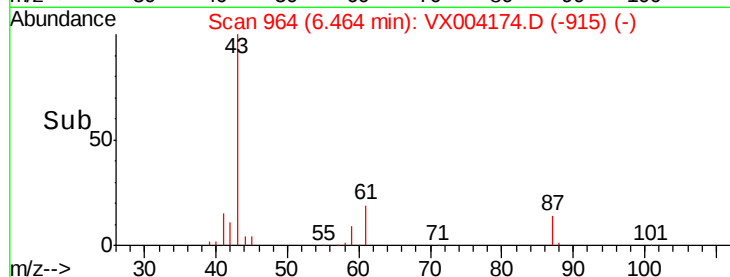
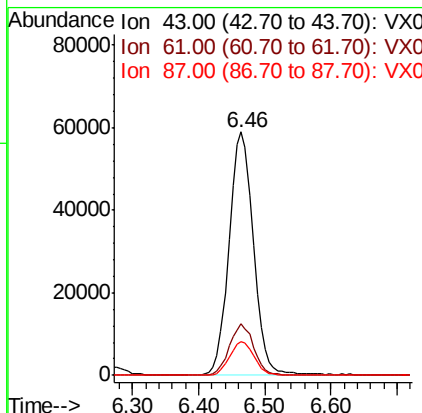
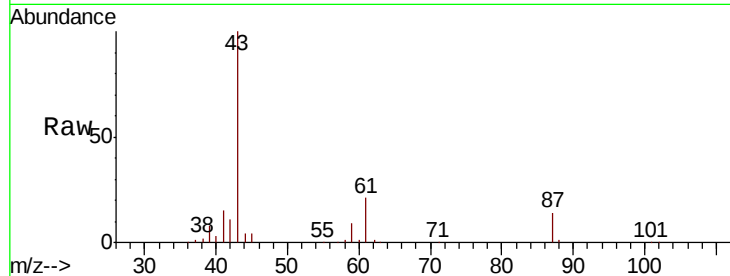
Isopropyl Acetate
 Concen: 18.74 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.9	25.3
87	14.0	11.3	16.9

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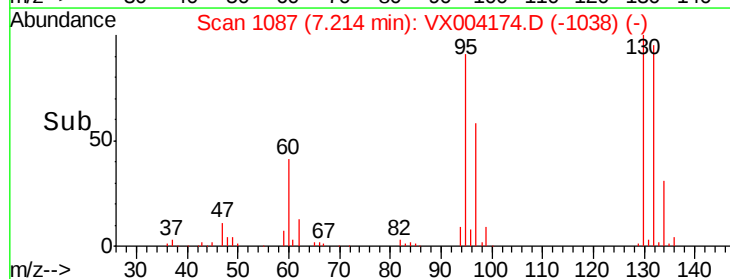
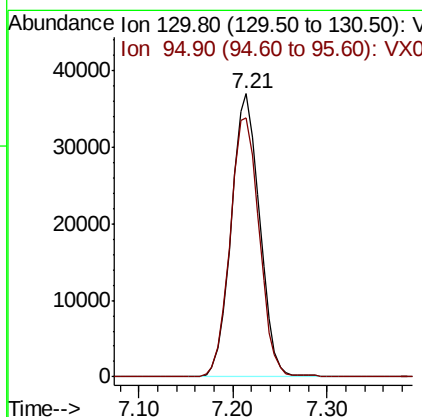
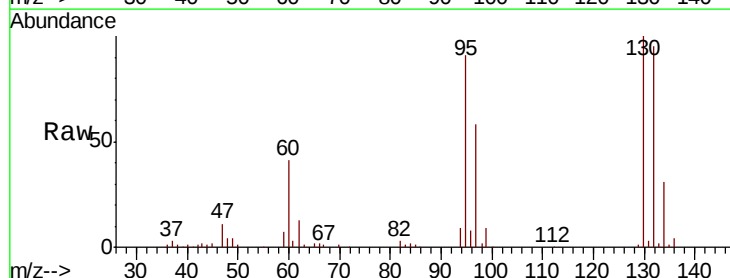
MMDadoda
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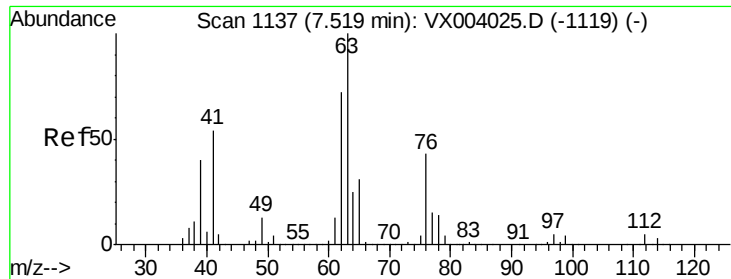


#44

Trichloroethene
 Concen: 19.06 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	199.4





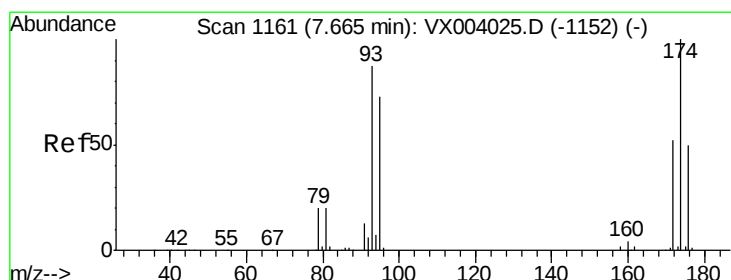
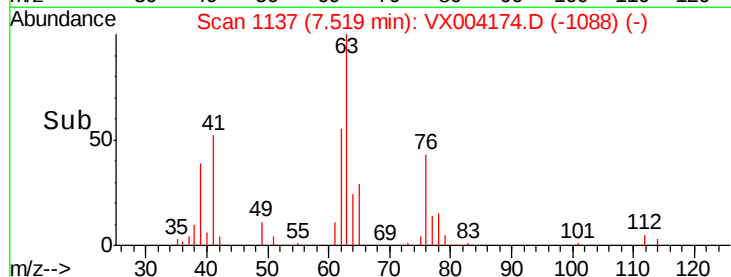
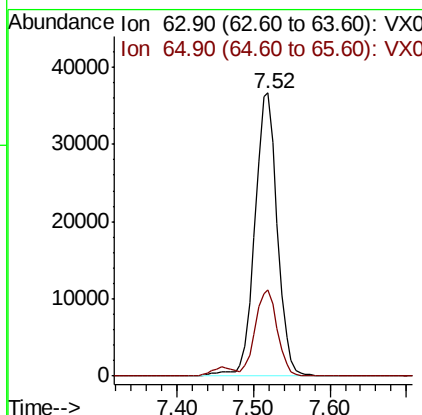
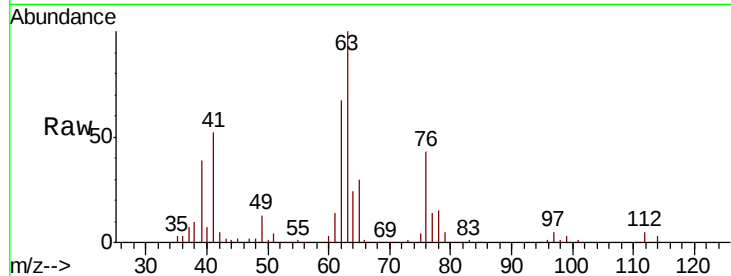
#45
 1,2-Dichloropropane
 Concen: 19.61 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	36.8

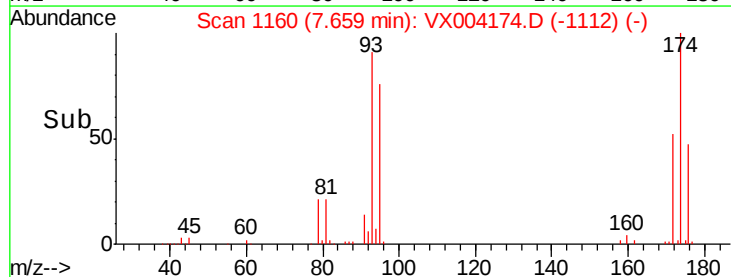
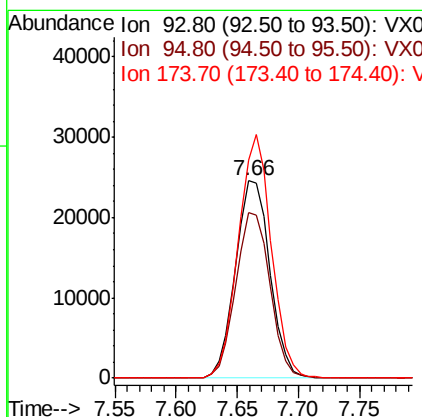
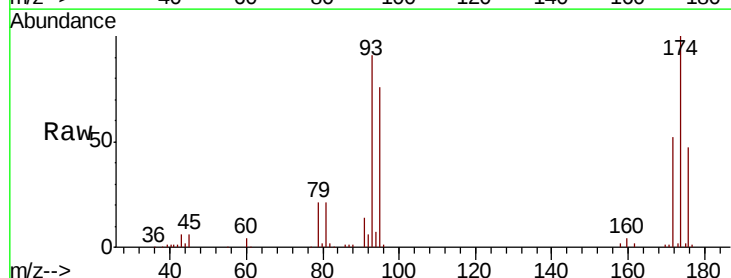
Manual Integrations
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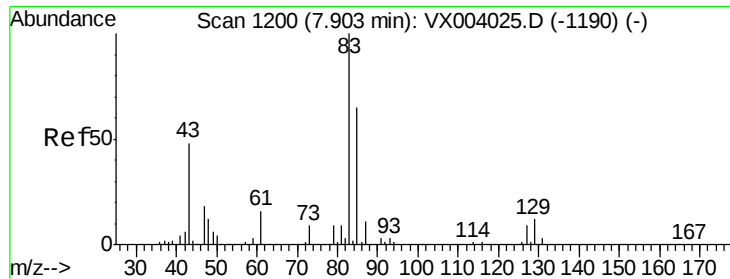
MMDadoda
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#46
 Dibromomethane
 Concen: 19.22 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.4	99.6
174	118.0	94.3	141.5





#47

Bromodichloromethane

Concen: 19.09 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

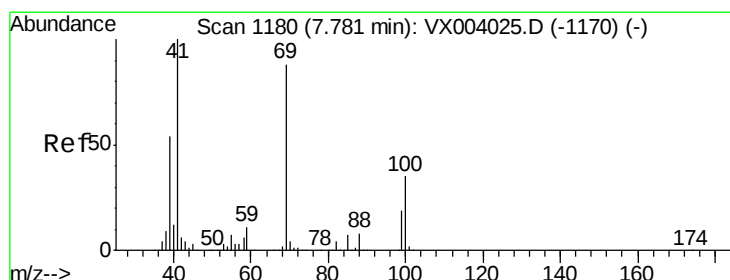
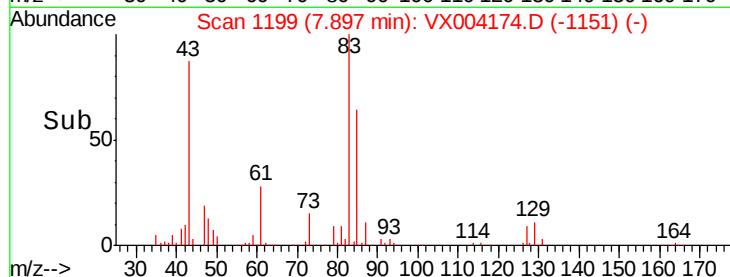
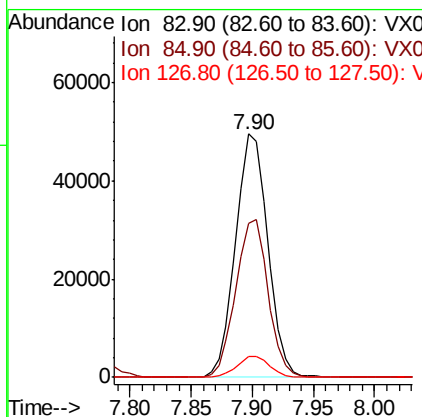
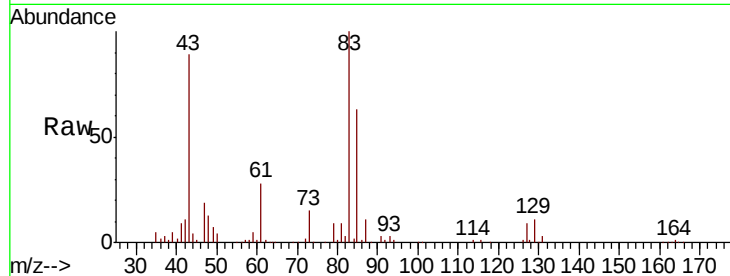
ClientSampleId :

VX0821WBSD01

Tot Ion:	83	Resp:	90712
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.2	76.8
127	8.6	7.2	10.8

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#48

Methyl methacrylate

Concen: 19.48 ug/l

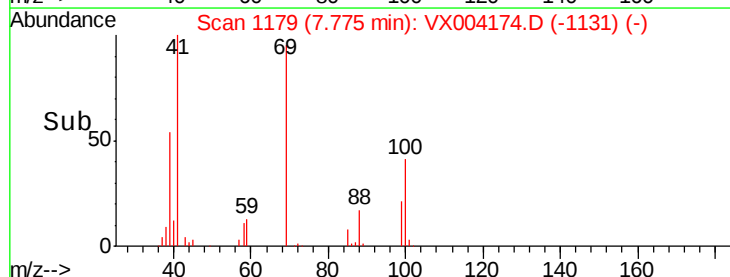
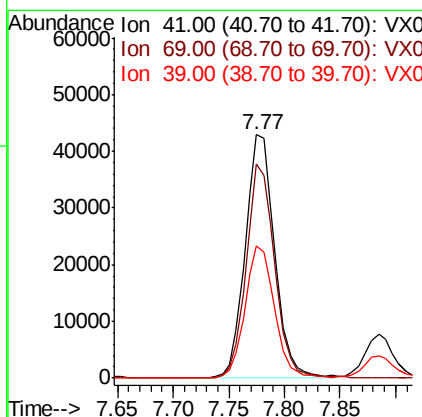
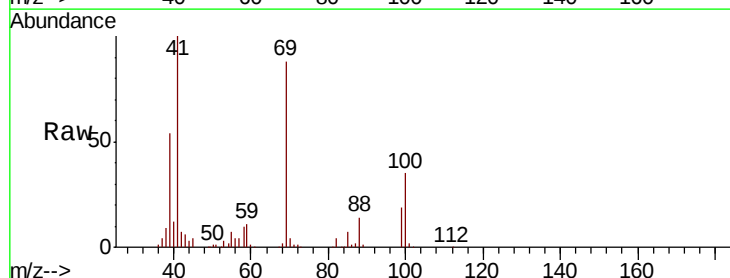
RT: 7.77 min Scan# 1179

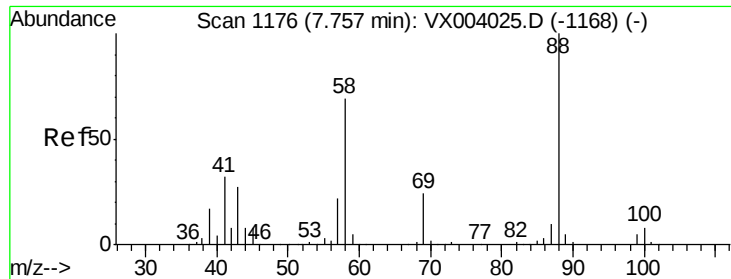
Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Tgt Ion:	41	Resp:	78616
Ion Ratio	Lower	Upper	
41	100		
69	86.3	68.8	103.2
39	54.7	42.3	63.5





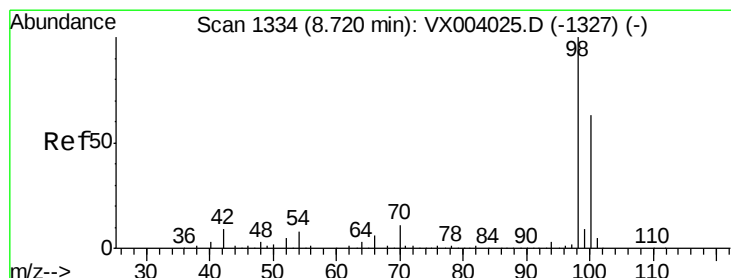
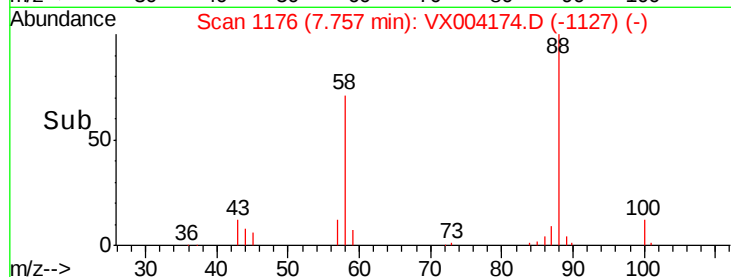
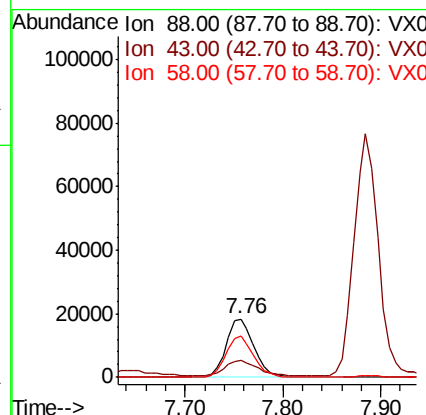
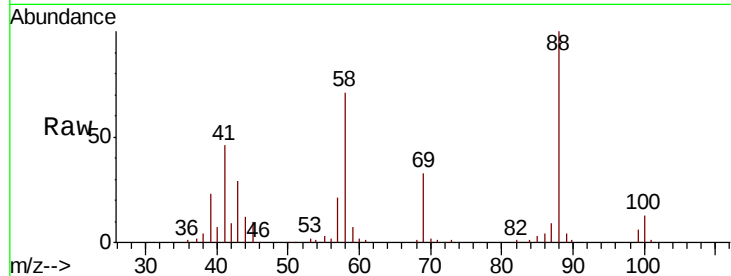
#49
1,4-Dioxane
Concen: 396.81 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	23.8	35.8
58	71.5	55.4	83.0

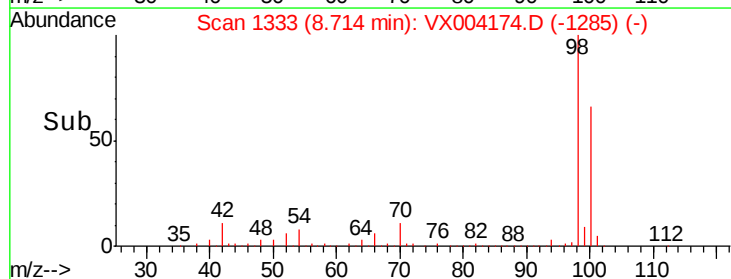
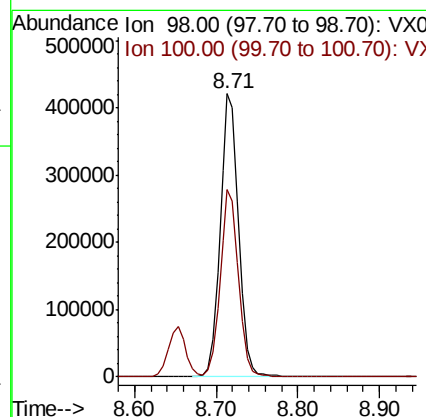
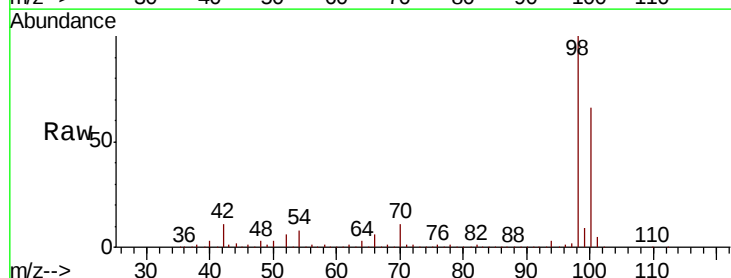
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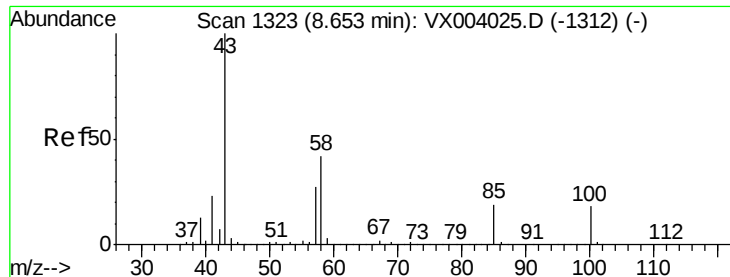
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#50
Toluene-d8
Concen: 49.90 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.3	79.9





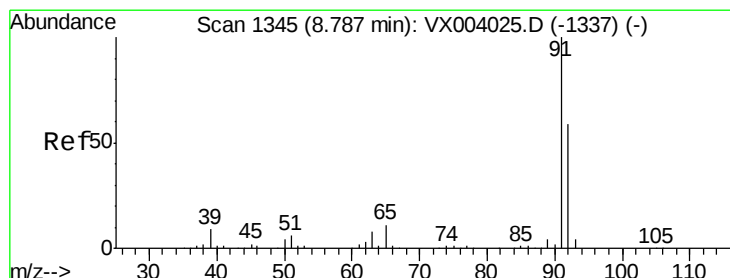
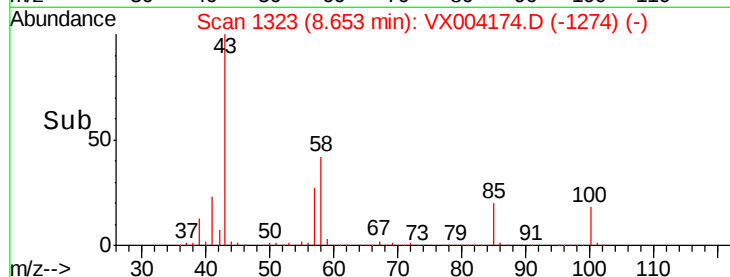
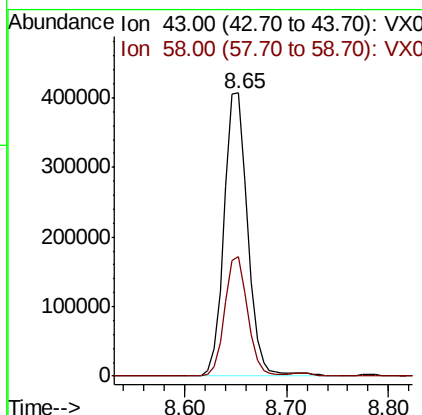
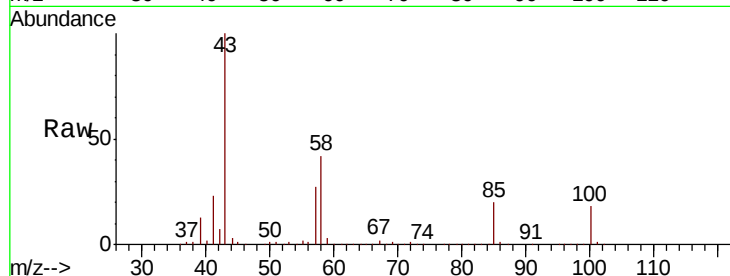
#51
4-Methyl-2-Pentanone
Concen: 99.35 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	33.0	49.6

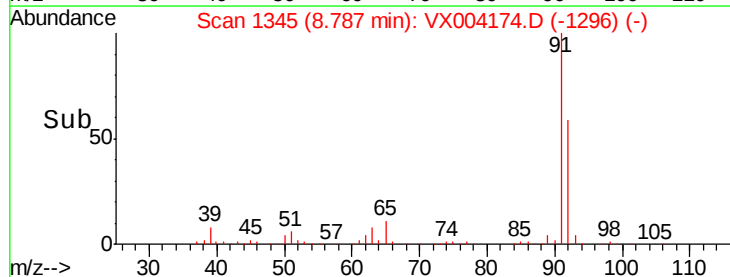
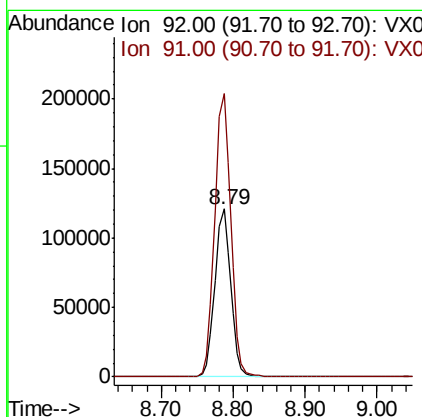
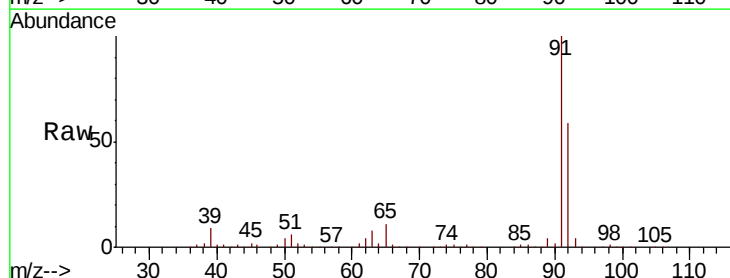
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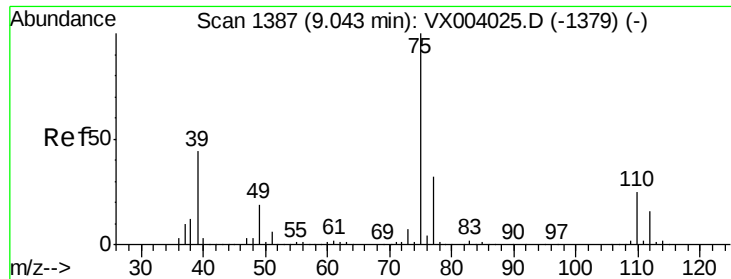
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#52
Toluene
Concen: 19.51 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.1	204.1





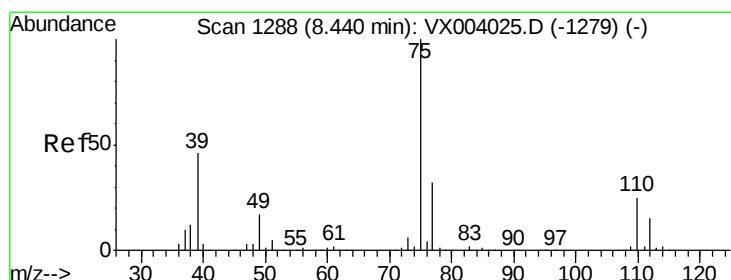
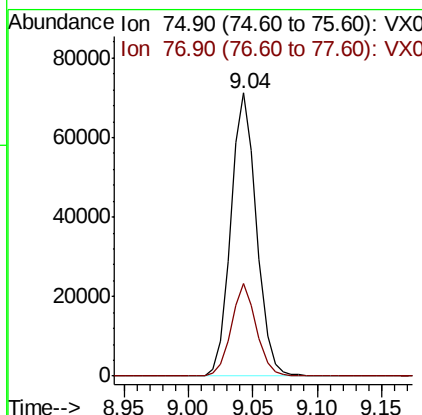
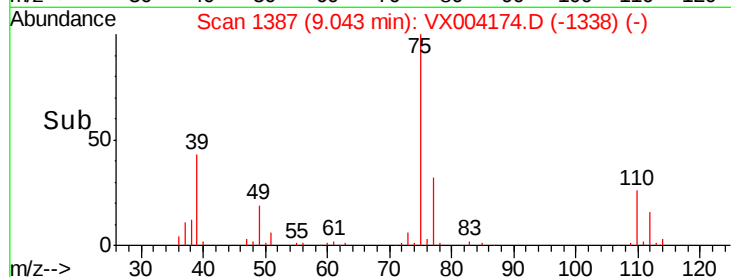
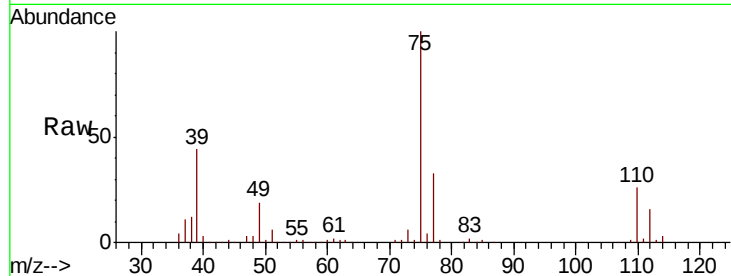
#53
 t-1,3-Dichloropropene
 Concen: 19.33 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion: 75 Resp: 99249
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.1 37.7

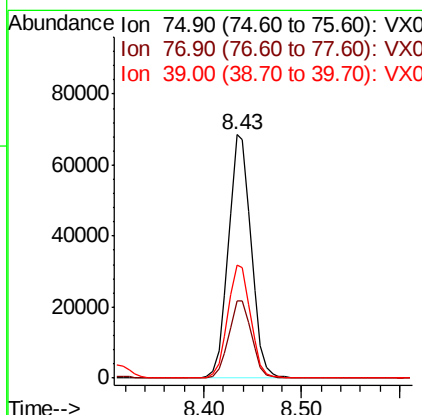
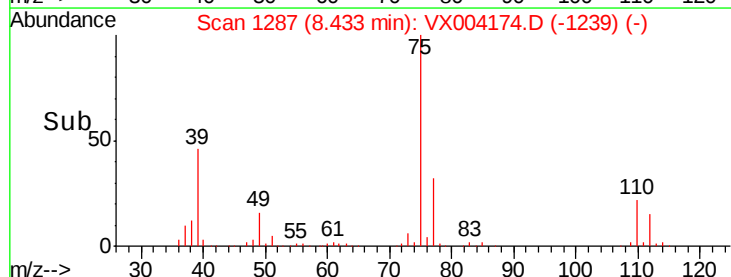
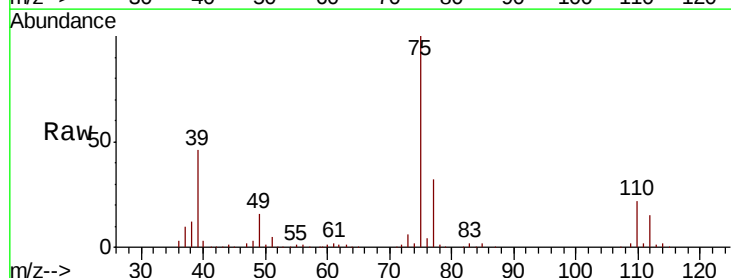
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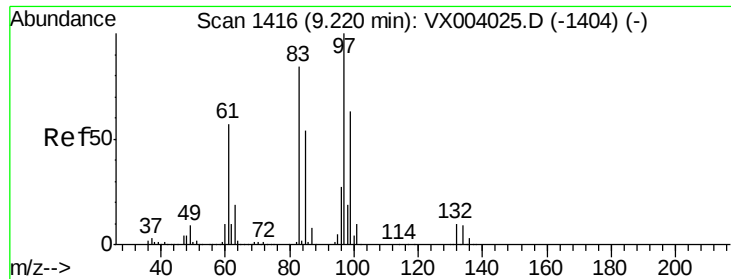
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#54
 cis-1,3-Dichloropropene
 Concen: 19.39 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion: 75 Resp: 110257
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 46.3 36.2 54.2





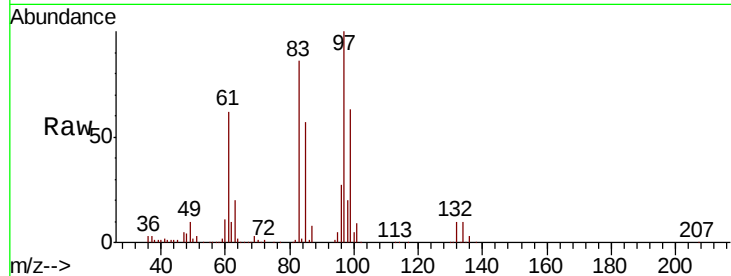
#55
 1,1,2-Trichloroethane
 Concen: 19.31 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

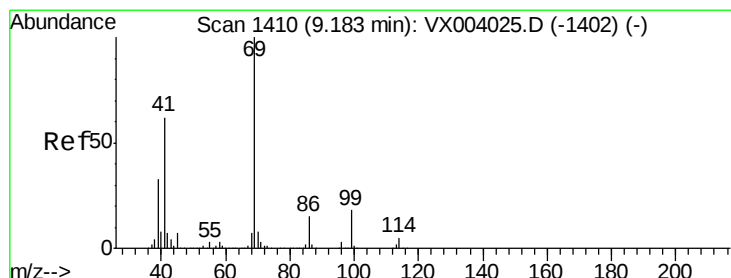
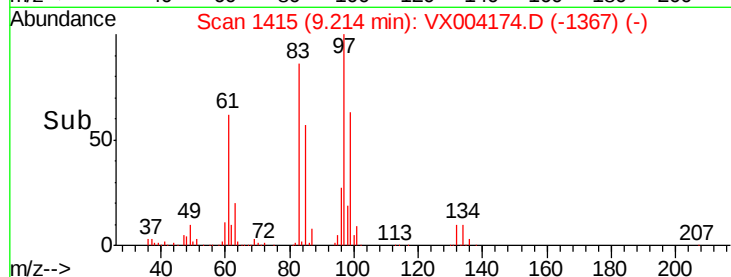
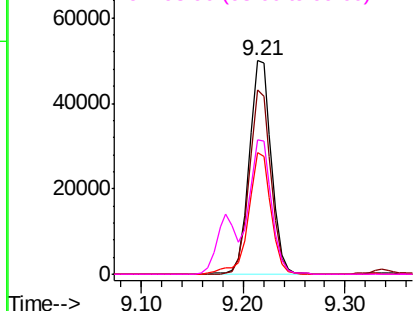
Tot Ion:	97	Resp:	75664
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.8	101.6
85	56.6	44.2	66.2
99	62.9	50.8	76.2

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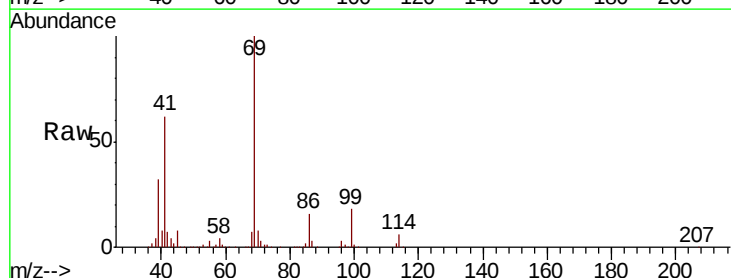


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

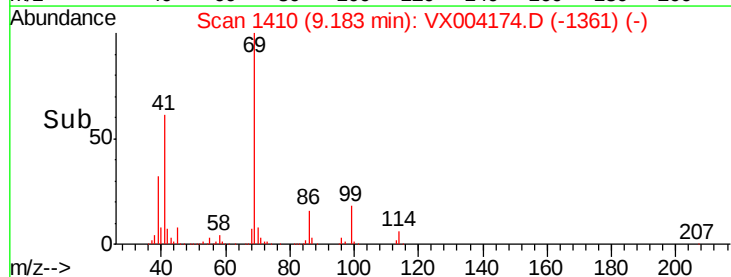
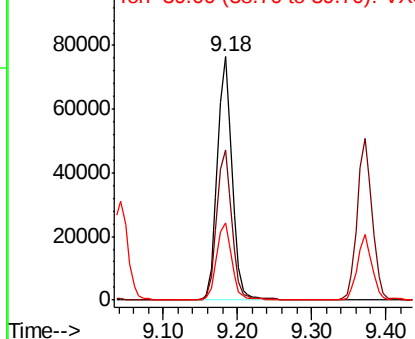


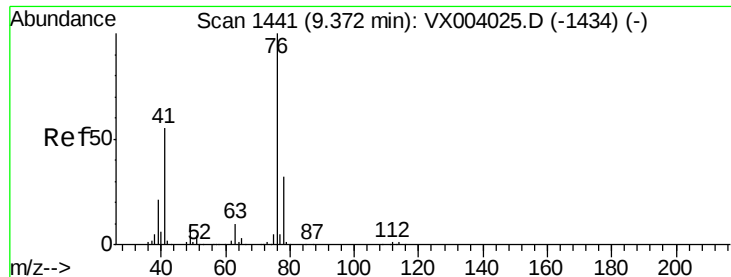
#56
 Ethyl methacrylate
 Concen: 19.69 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion:	69	Resp:	104892
Ion	Ratio	Lower	Upper
69	100		
41	62.7	50.6	76.0
39	32.6	25.8	38.6



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.52 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleID :

VX0821WBSD01

Tot Ion: 76 Resp: 126886

Ion Ratio Lower Upper

76 100

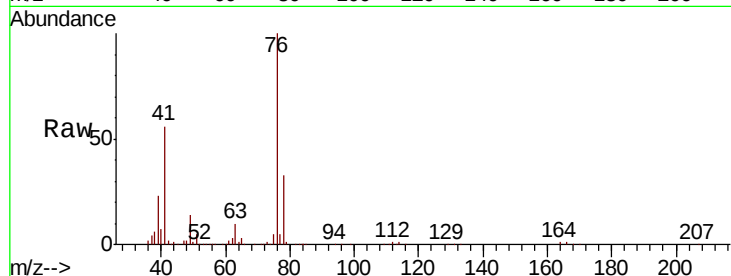
78 32.5 25.9 38.9

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

100000

80000

60000

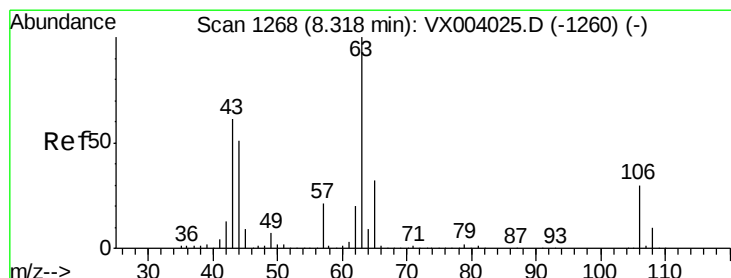
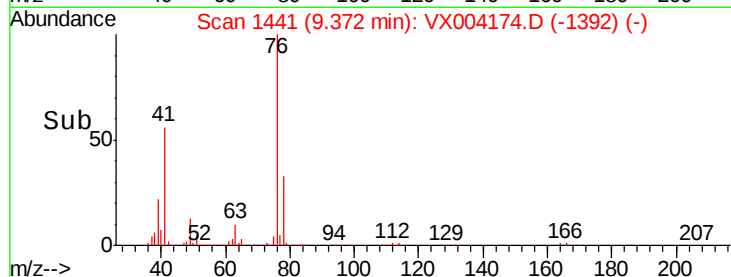
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 99.88 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX004174.D

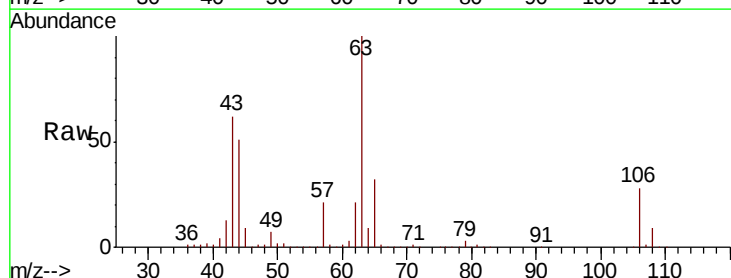
Acq: 21 Aug 2018 14:31

Tgt Ion: 63 Resp: 270960

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

200000

150000

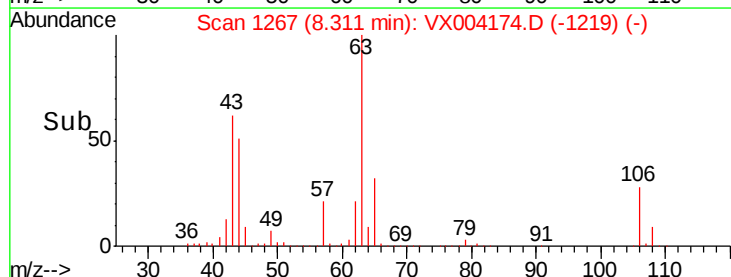
100000

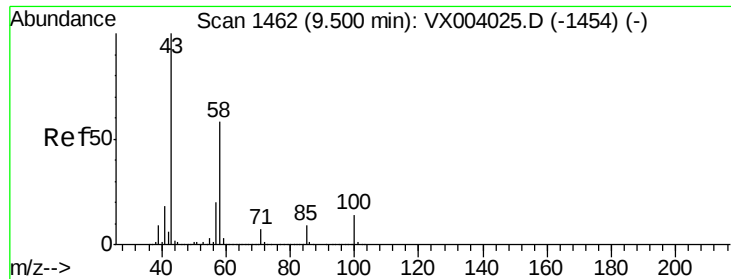
50000

0

8.20 8.30 8.40

Time-->





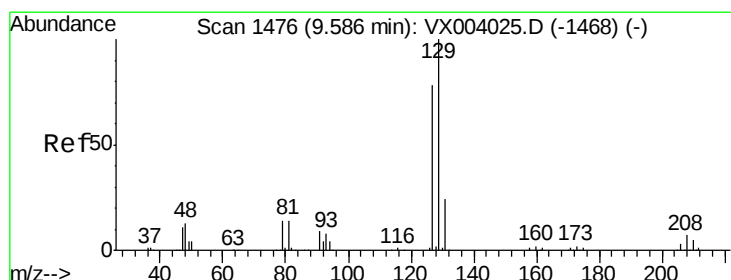
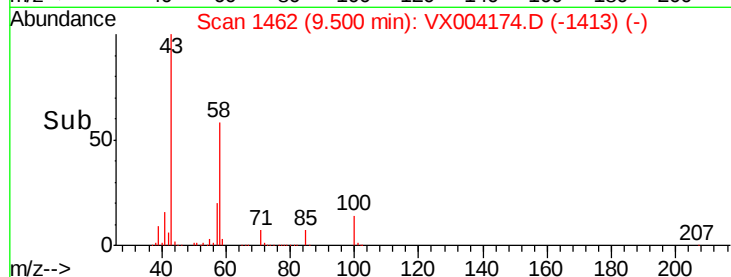
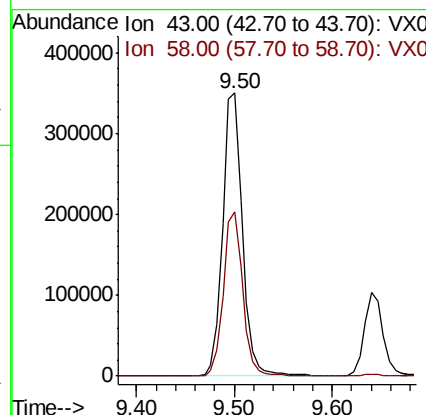
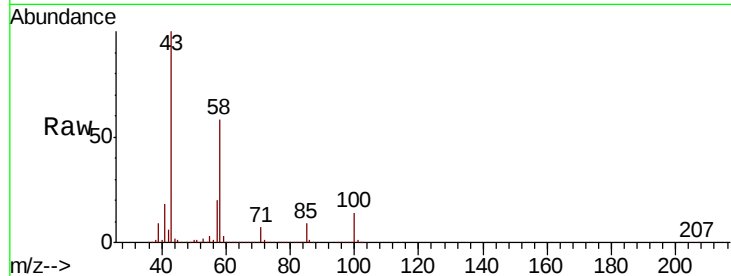
#59
2-Hexanone
Concen: 99.09 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion: 43 Resp: 490307
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.0

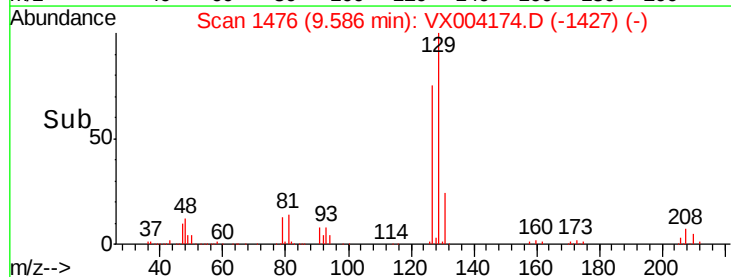
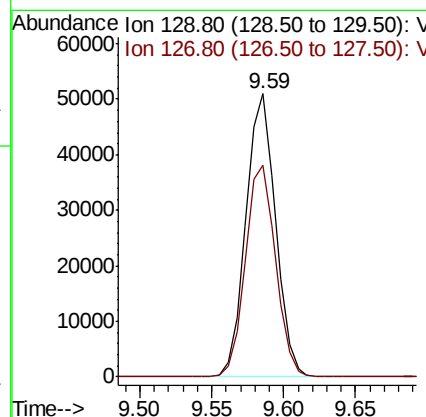
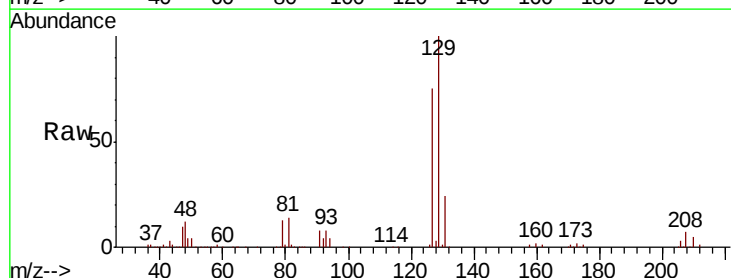
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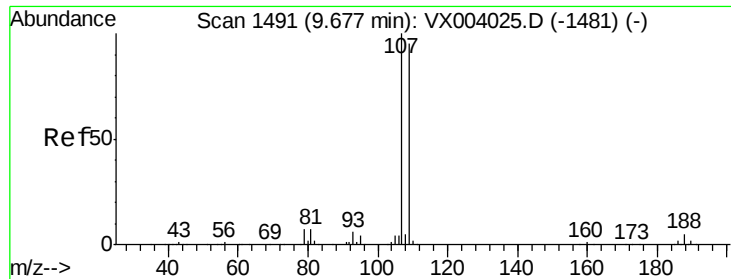
MMDadoda
8/22/2018 11:16:53 AM



#60
Dibromochloromethane
Concen: 19.23 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 129 Resp: 72512
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.40 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion:107 Resp: 77465

Ion Ratio Lower Upper

107 100

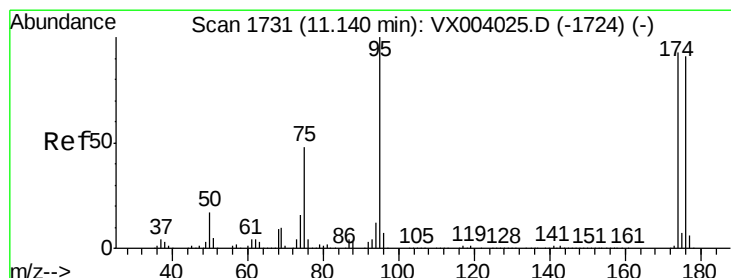
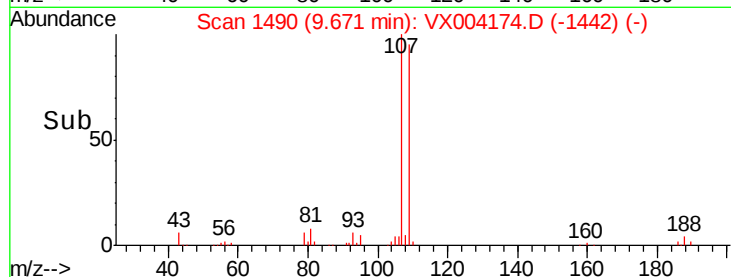
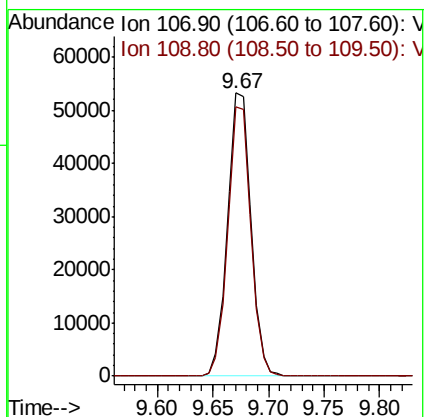
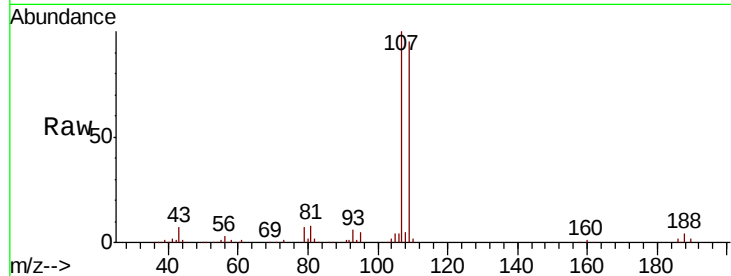
109 94.2 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 47.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

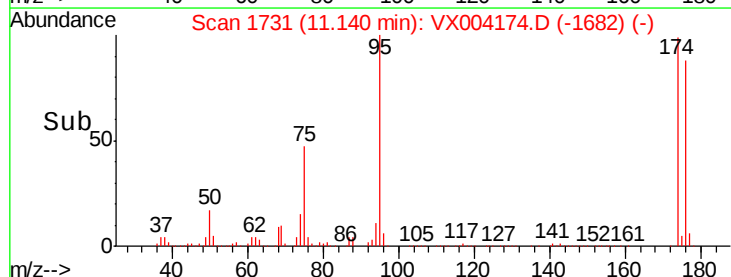
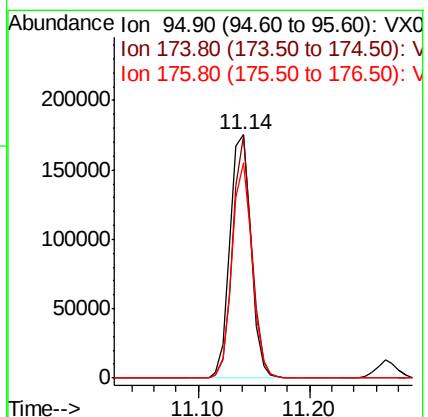
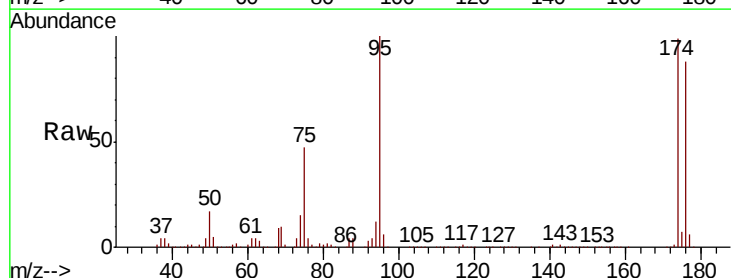
Tgt Ion: 95 Resp: 230358

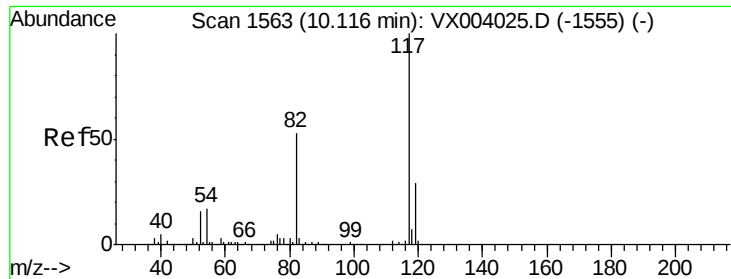
Ion Ratio Lower Upper

95 100

174 90.3 0.0 182.8

176 84.5 0.0 179.0





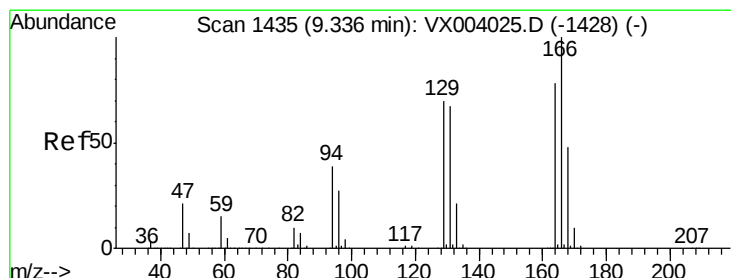
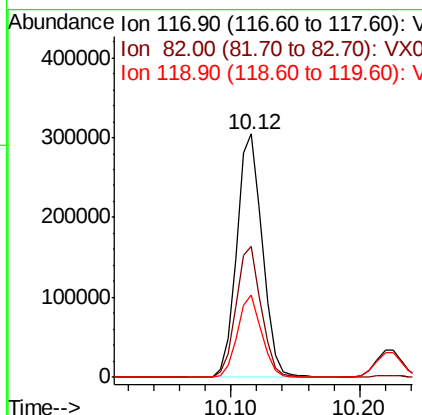
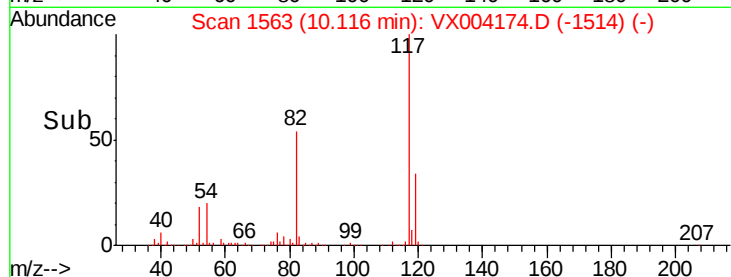
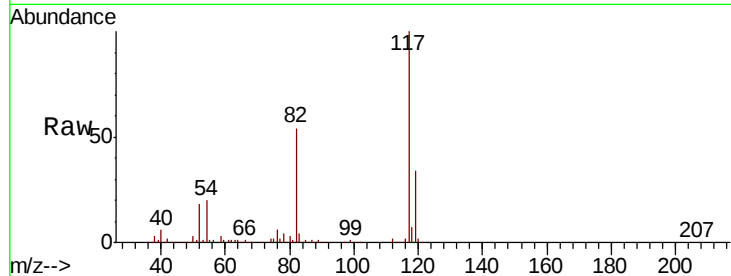
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	418967		
82	54.1		45.4	68.0
119	34.0		26.6	40.0

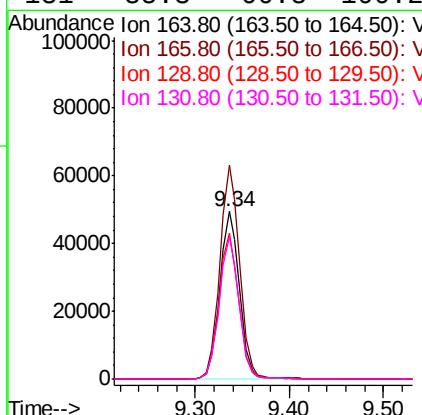
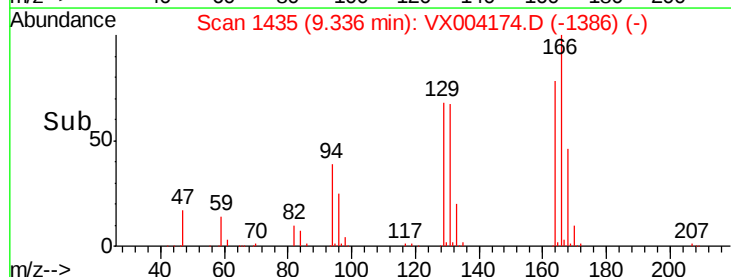
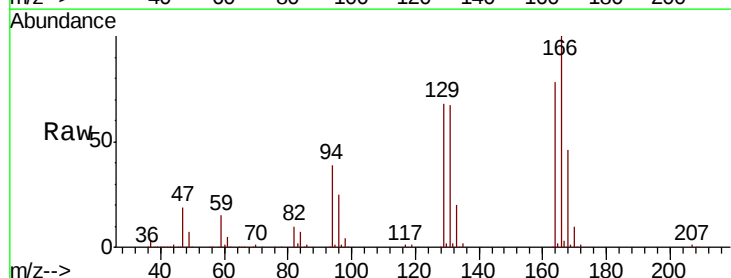
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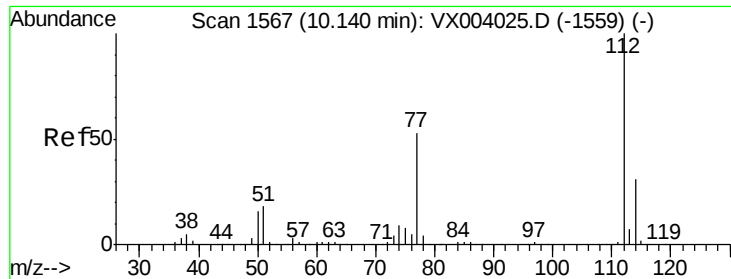
MMDadoda
8/22/2018 11:16:53 AM



#64
Tetrachloroethene
Concen: 17.99 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71422		
166	127.7		98.0	147.0
129	87.1		64.3	96.5
131	85.3		66.8	100.2





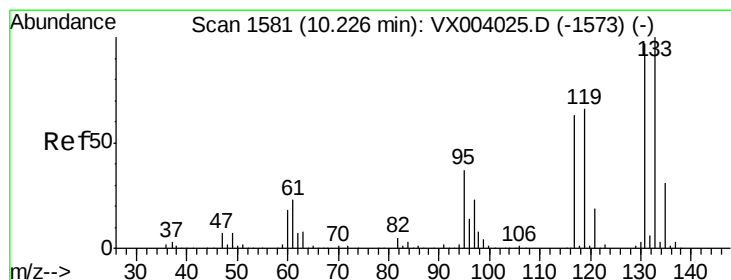
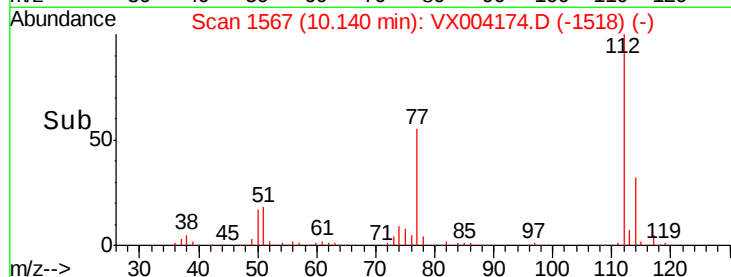
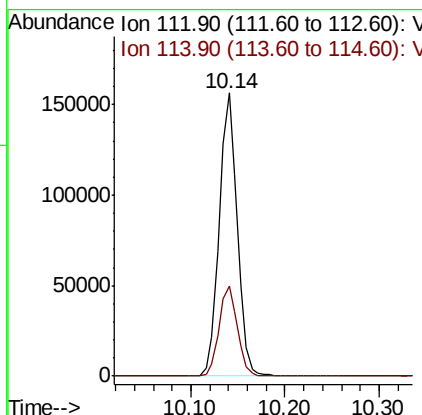
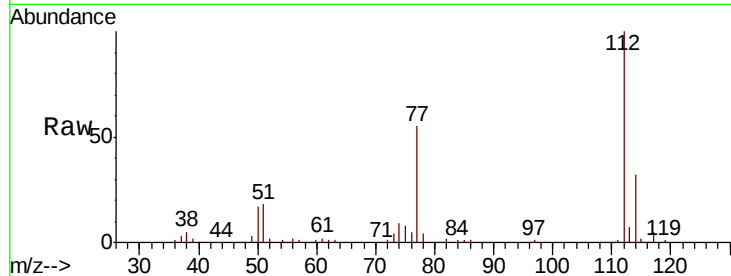
#65
Chlorobenzene
Concen: 19.15 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampled :
VX0821WBSD01

Tot Ion:112 Resp: 207237
Ion Ratio Lower Upper
112 100
114 31.6 23.6 35.4

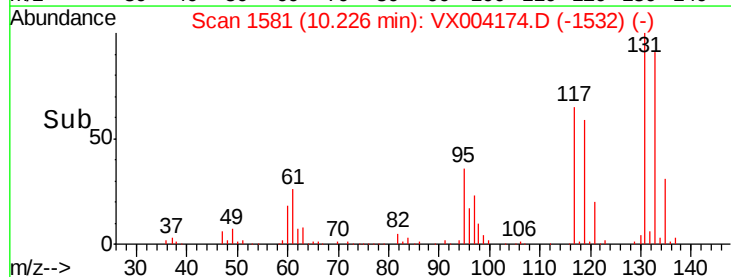
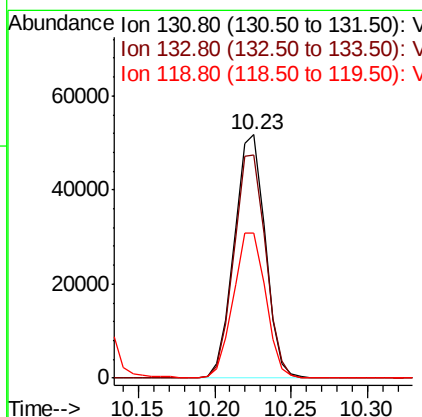
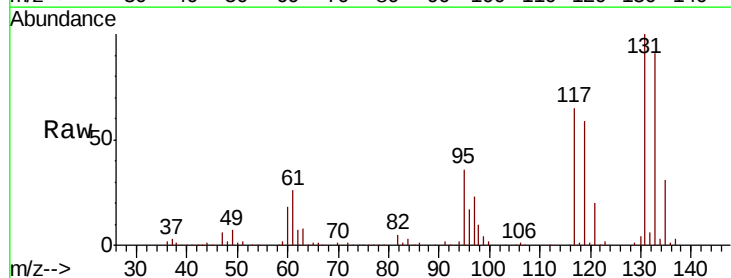
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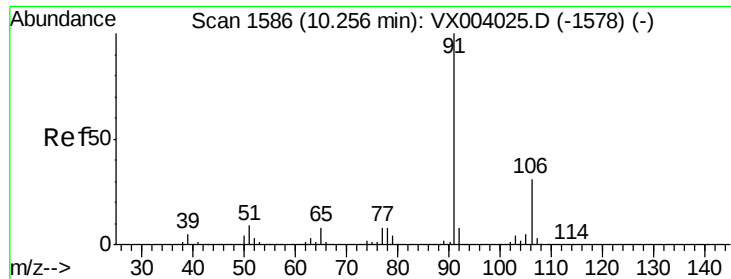
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.70 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion:131 Resp: 72723
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.8
119 62.4 31.6 94.8





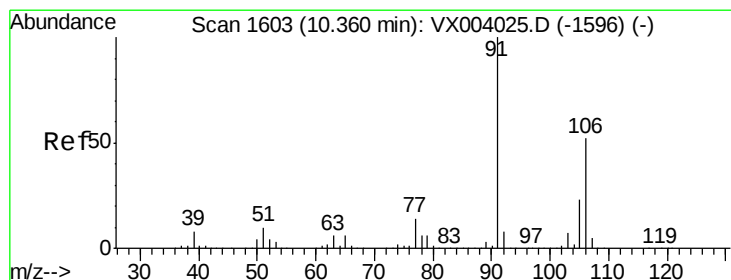
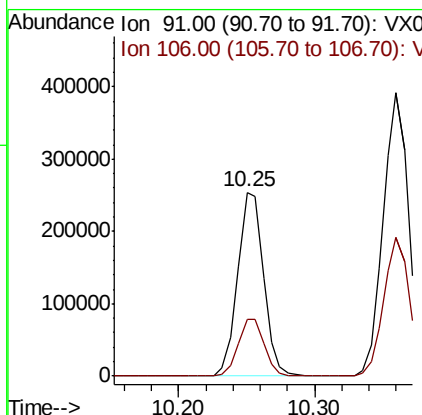
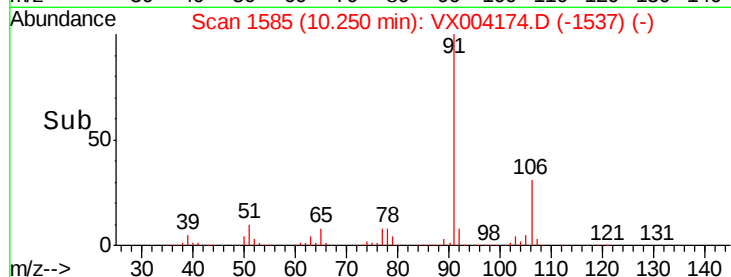
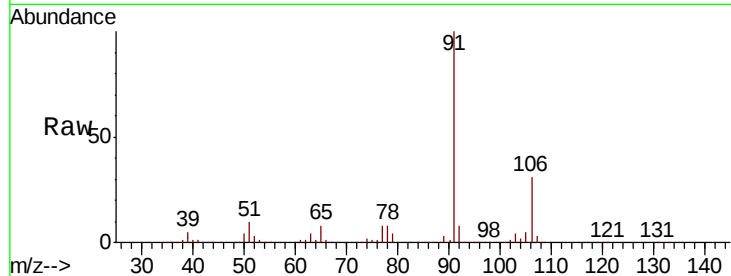
#67
Ethyl Benzene
Concen: 19.80 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion: 91 Resp: 339359
Ion Ratio Lower Upper
91 100
106 30.7 25.9 38.9

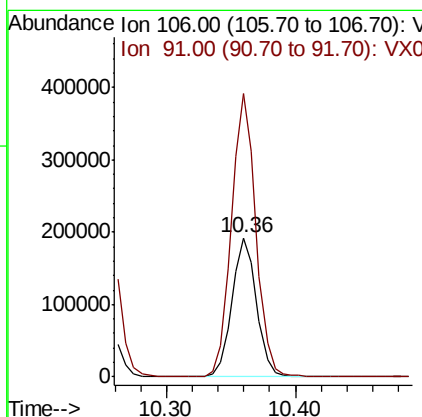
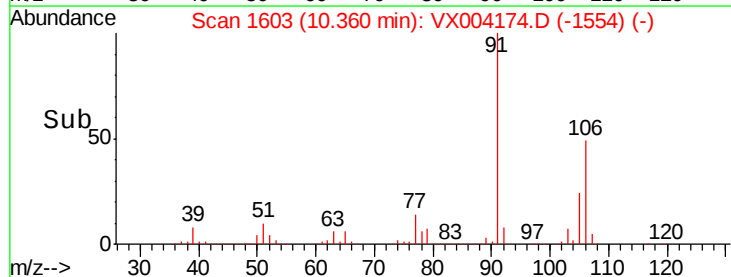
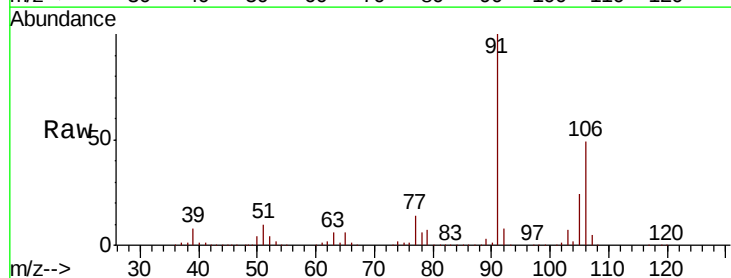
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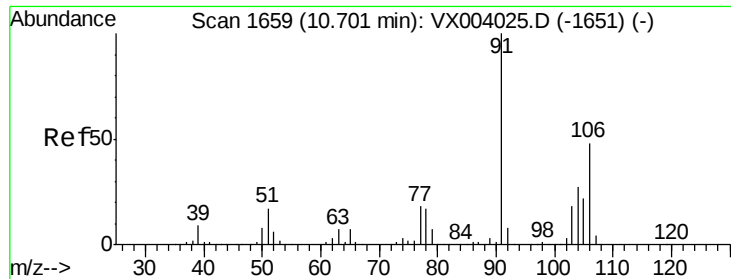
MMDadoda
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#68
m/p-Xylenes
Concen: 38.05 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion: 106 Resp: 255376
Ion Ratio Lower Upper
106 100
91 203.6 162.3 243.5





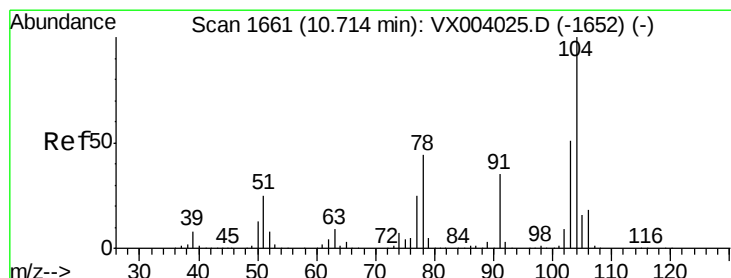
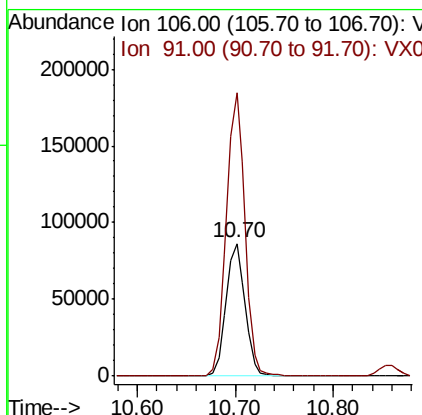
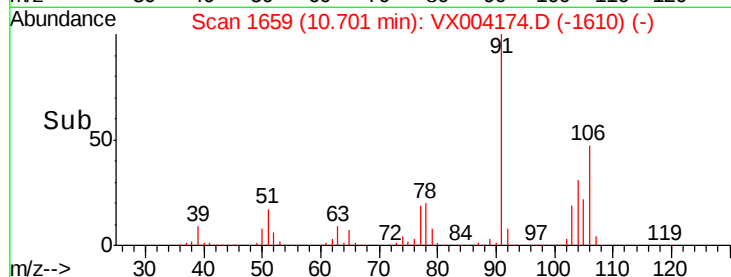
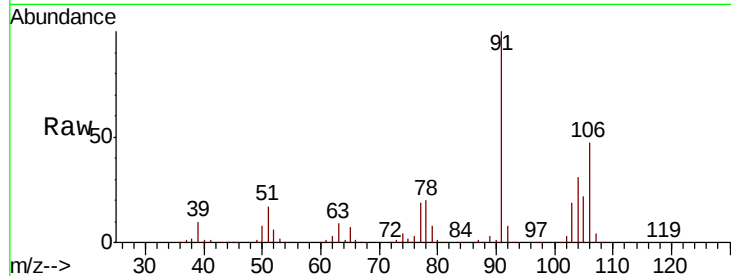
#69
o-Xylene
Concen: 18.11 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.2	101.9	305.7

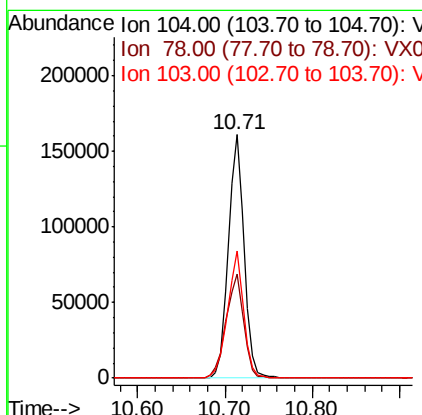
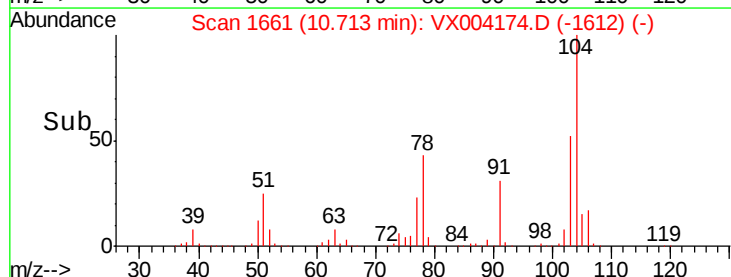
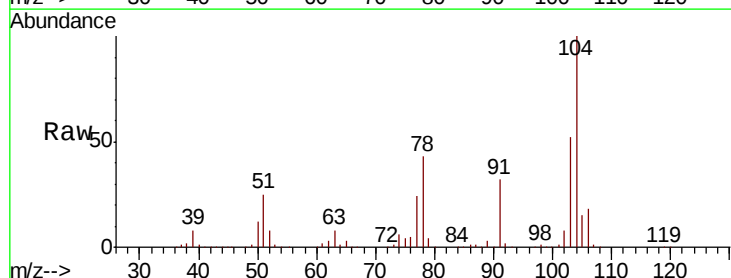
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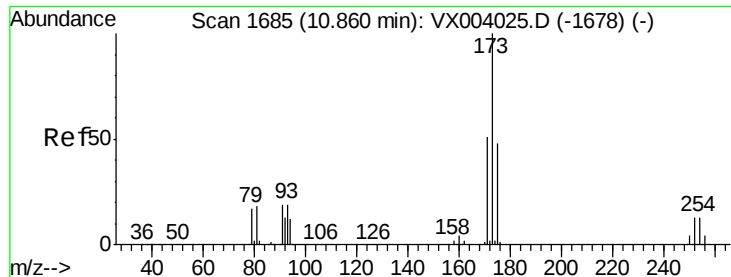
MMDadoda
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#70
Styrene
Concen: 18.63 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.8	59.6
103	53.9	44.3	66.5





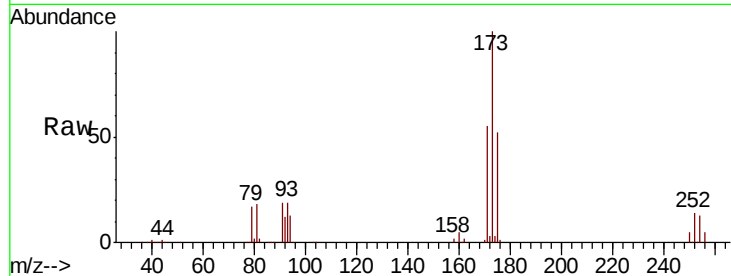
#71
Bromoform
Concen: 16.80 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.7
254	0.1	0.2	0.2

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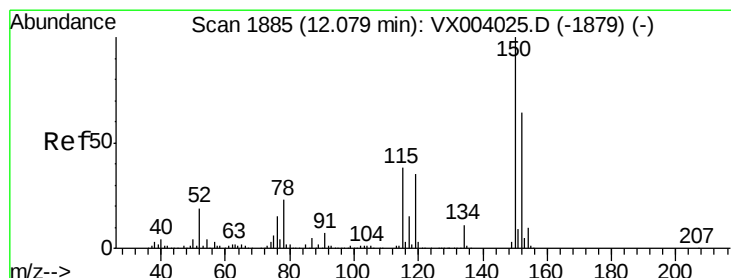
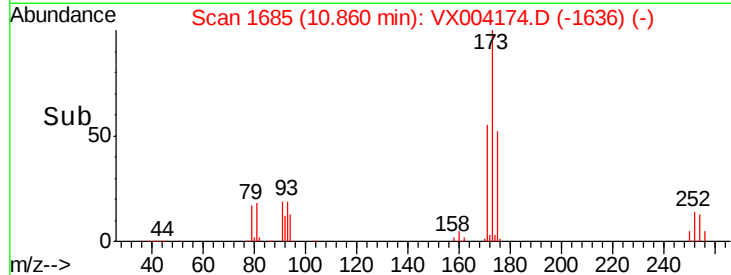
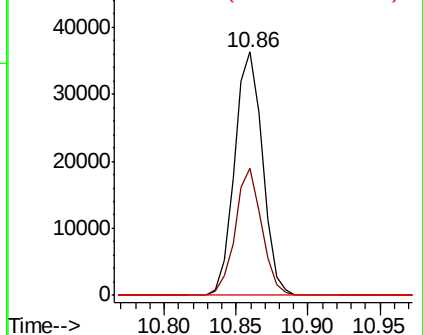


Abundance

Ion 172.70 (172.40 to 173.40): V

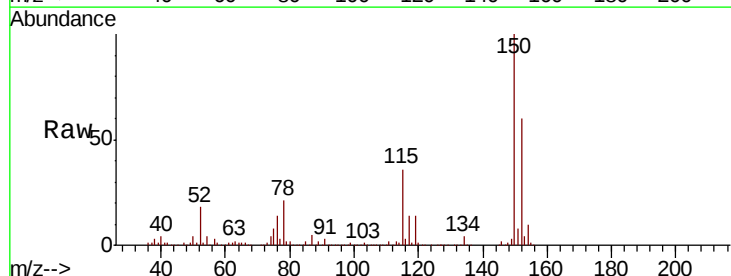
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	39.1	117.3
150	162.8	0.0	349.2

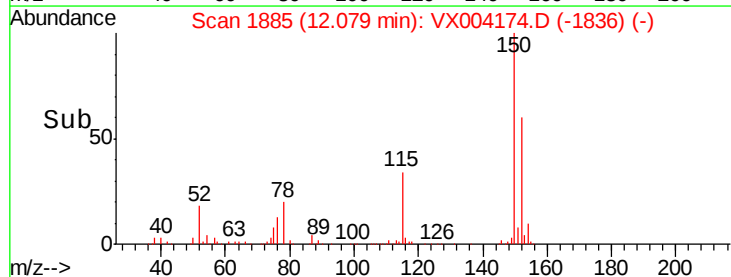
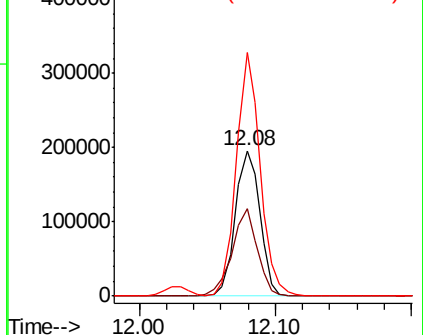


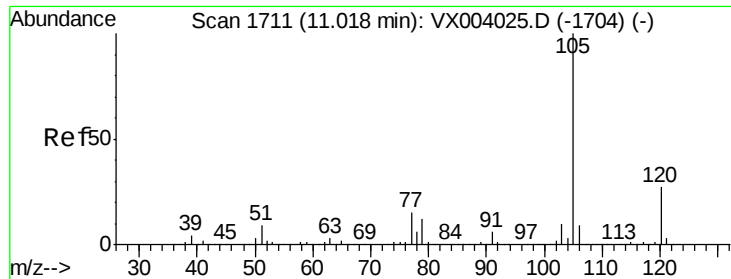
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.04 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion:105 Resp: 316937

Ion Ratio Lower Upper

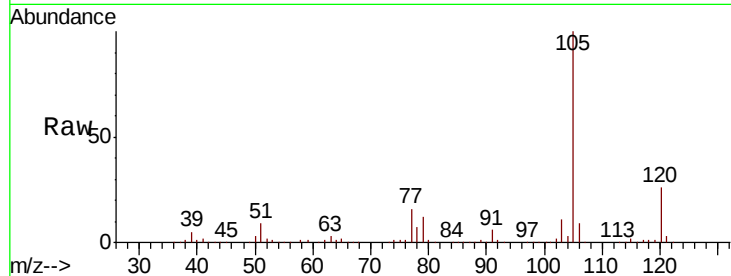
105 100

120 27.4 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

250000

200000

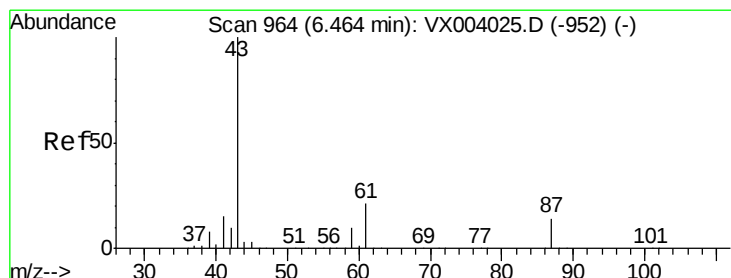
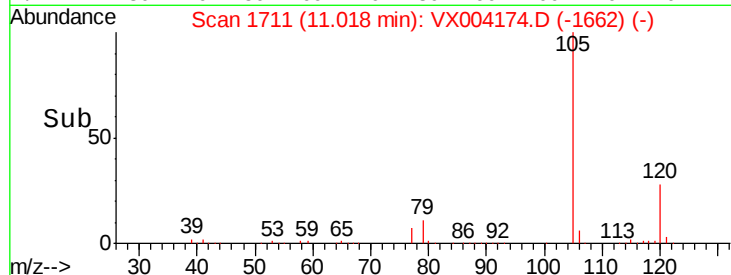
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 19.19 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Tgt Ion: 43 Resp: 150303

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.1 16.9 25.3

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.46

80000

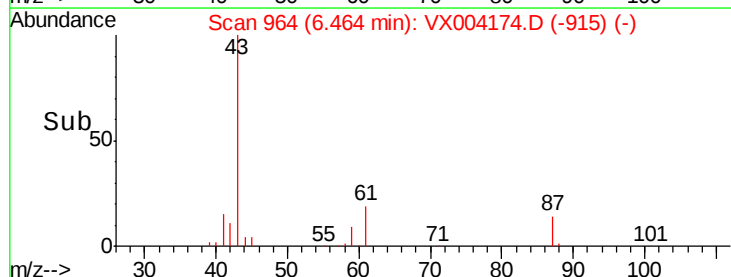
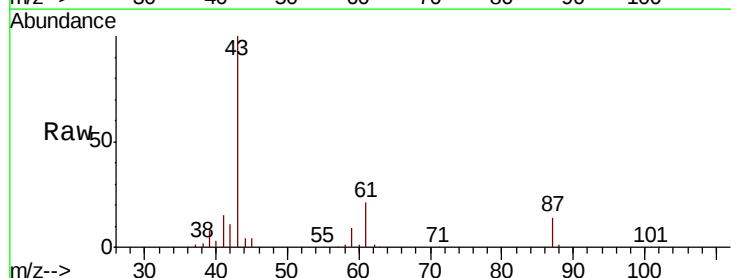
60000

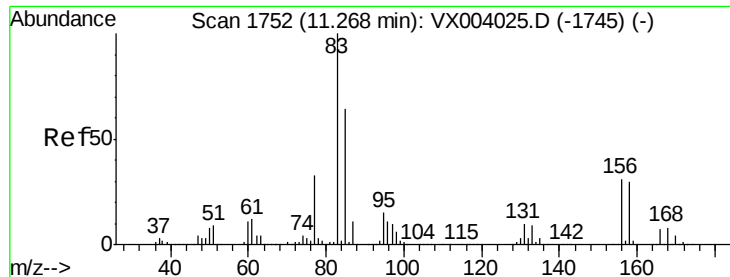
40000

20000

0

Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 18.76 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion: 83 Resp: 109080

Ion Ratio Lower Upper

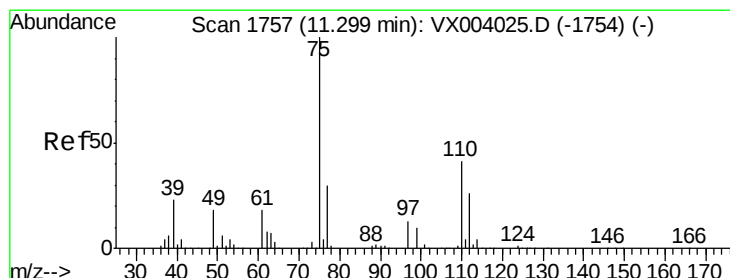
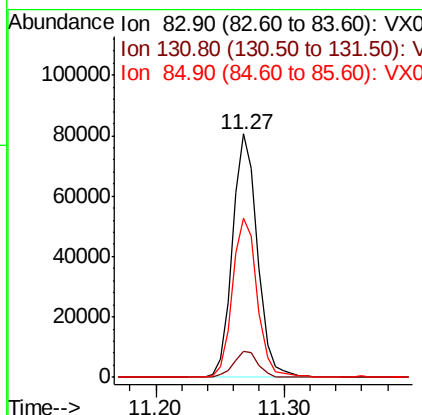
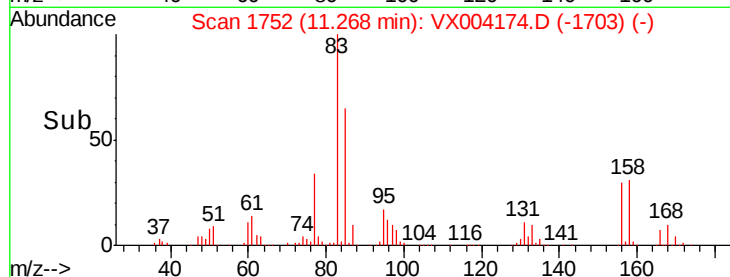
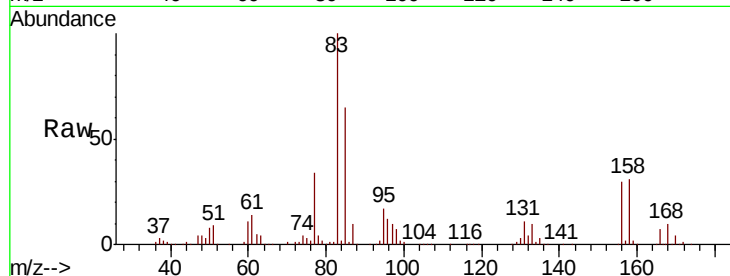
83 100

131 10.7 5.2 15.6

85 65.1 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.15 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004174.D

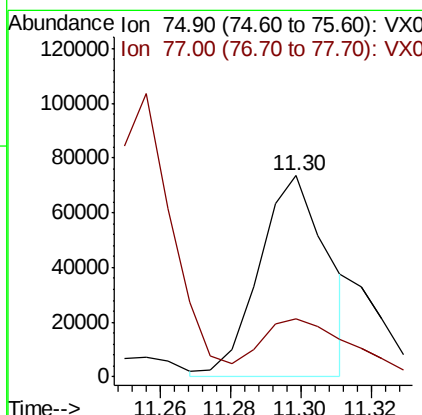
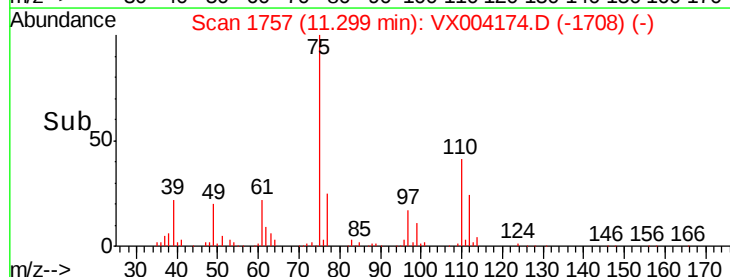
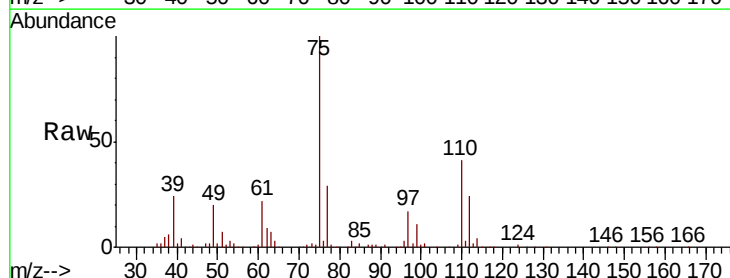
Acq: 21 Aug 2018 14:31

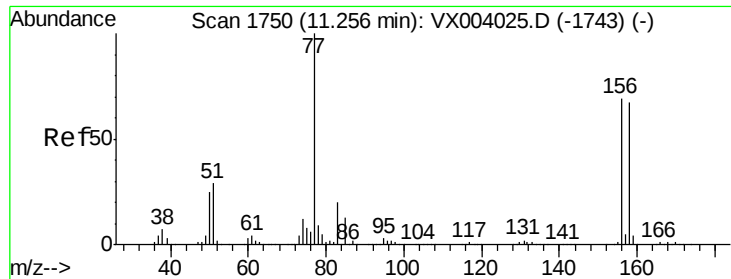
Tgt Ion: 75 Resp: 99396

Ion Ratio Lower Upper

75 100

77 37.8 20.8 62.5





#77

Bromobenzene

Concen: 19.38 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion:156 Resp: 88948

Ion Ratio Lower Upper

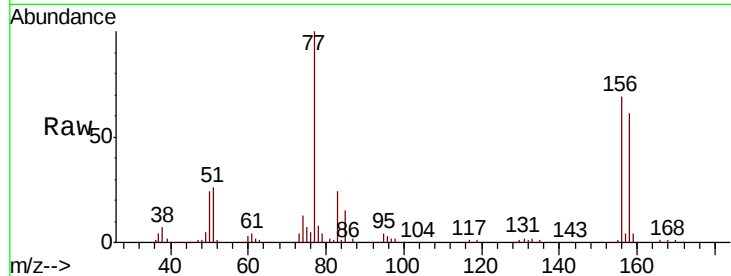
156 100

77 143.1 74.1 222.2

158 94.7 48.6 145.9

Manual Integrations
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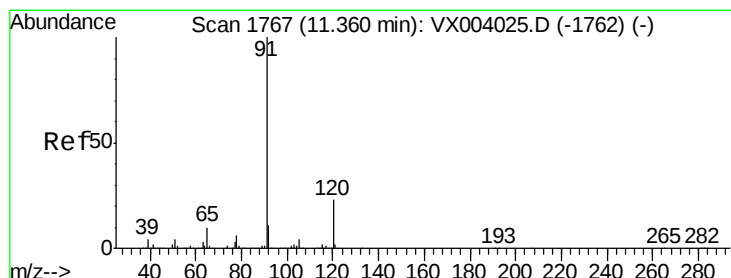
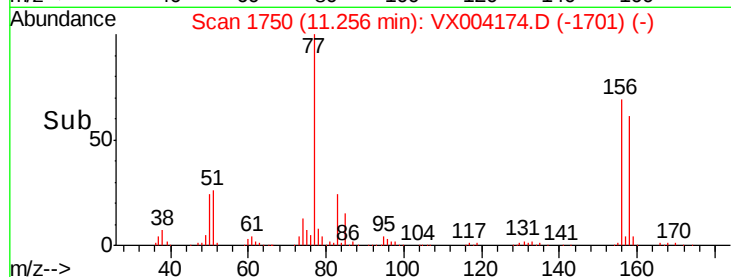
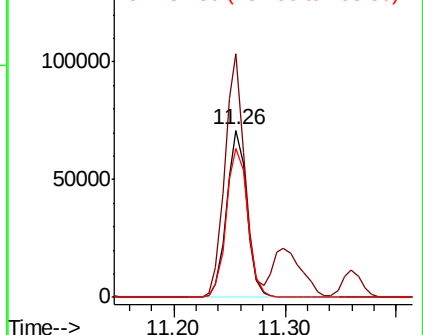
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.02 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004174.D

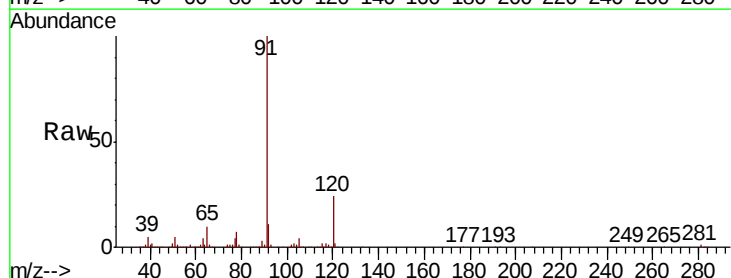
Acq: 21 Aug 2018 14:31

Tgt Ion: 91 Resp: 354354

Ion Ratio Lower Upper

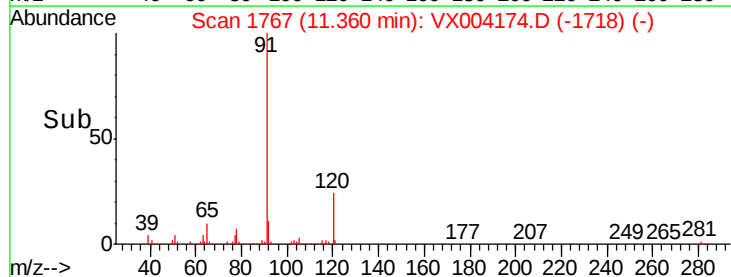
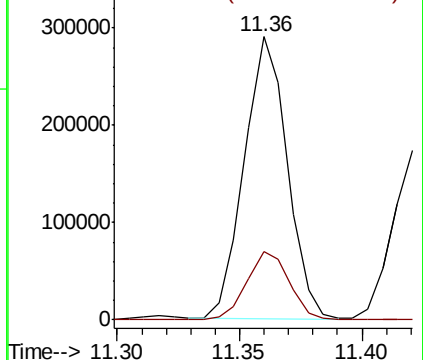
91 100

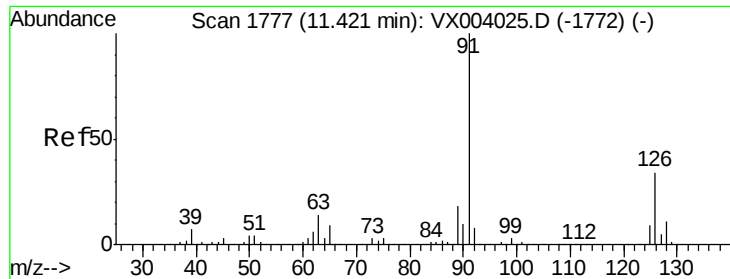
120 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.77 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion: 91 Resp: 224462

Ion Ratio Lower Upper

91 100

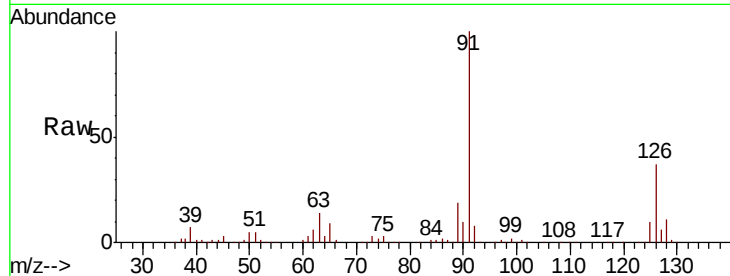
126 35.6 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004025.D (-1772) (-)

300000

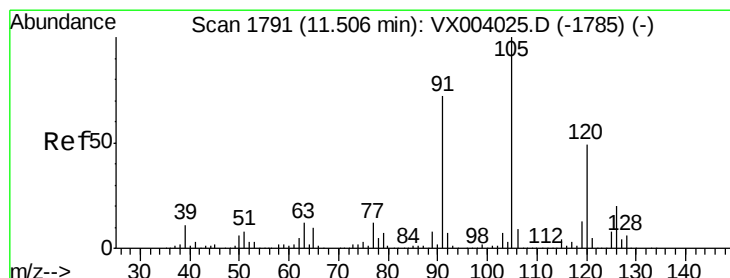
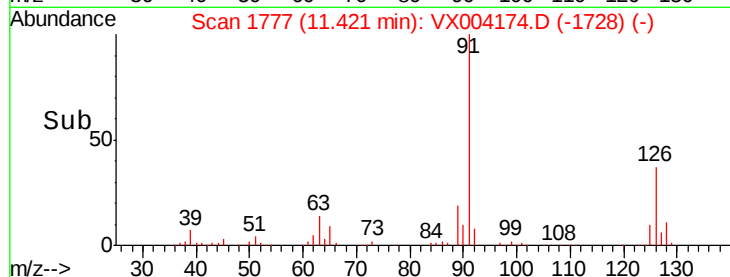
200000

100000

0

11.35 11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.23 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004174.D

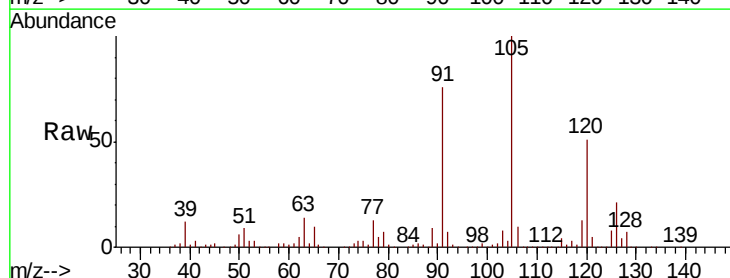
Acq: 21 Aug 2018 14:31

Tgt Ion:105 Resp: 262193

Ion Ratio Lower Upper

105 100

120 52.5 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX004025.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004025.D (-1785) (-)

250000

200000

150000

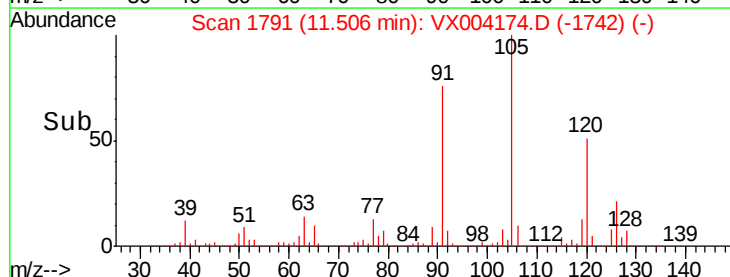
100000

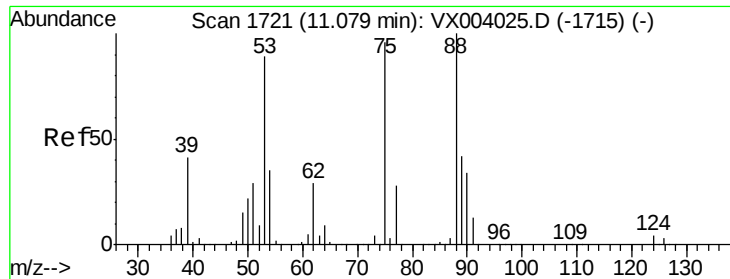
50000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.15 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tot Ion: 75 Resp: 27333

Ion Ratio Lower Upper

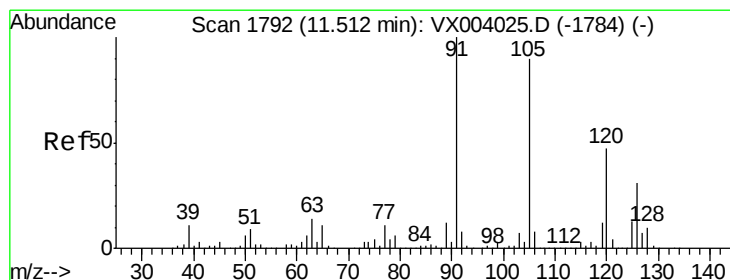
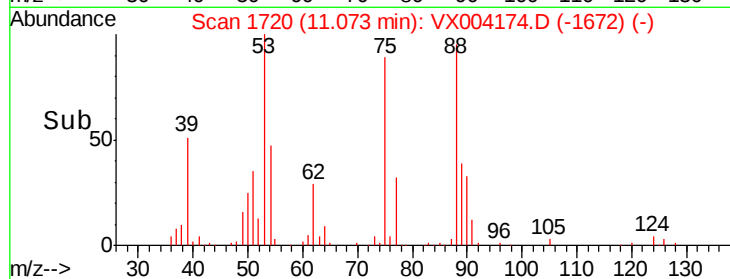
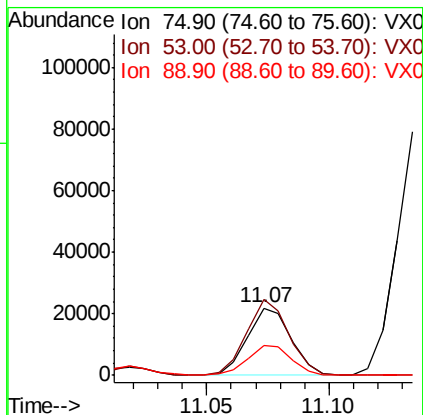
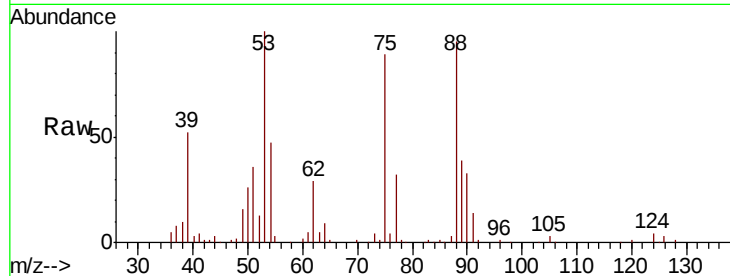
75 100

53 108.9 80.3 120.5

89 44.9 37.8 56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.77 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004174.D

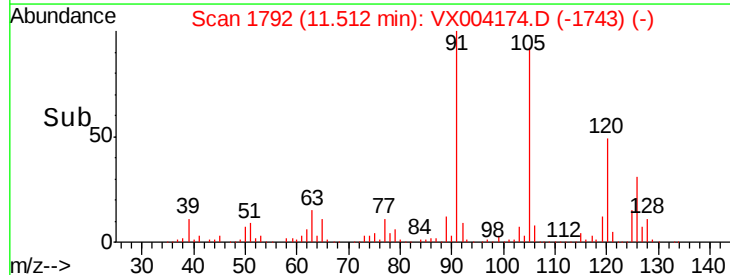
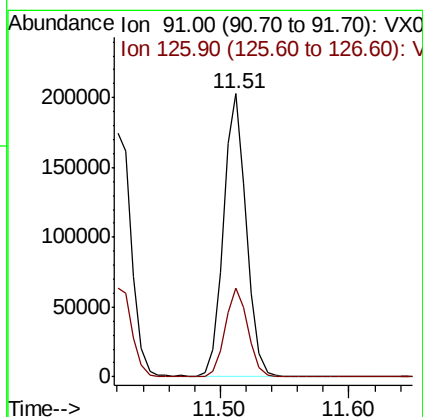
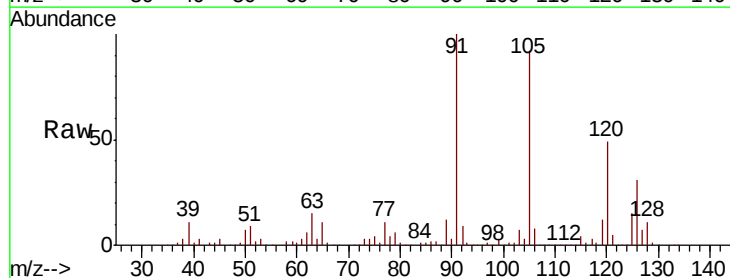
Acq: 21 Aug 2018 14:31

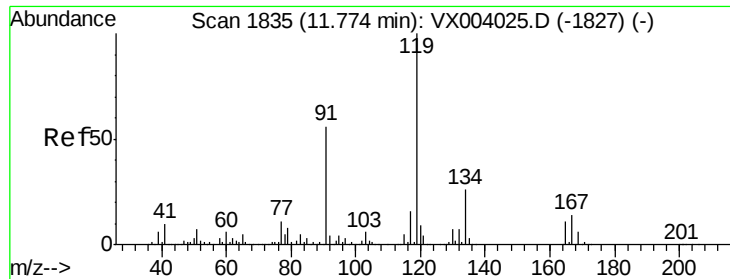
Tgt Ion: 91 Resp: 251858

Ion Ratio Lower Upper

91 100

126 31.4 15.6 46.7





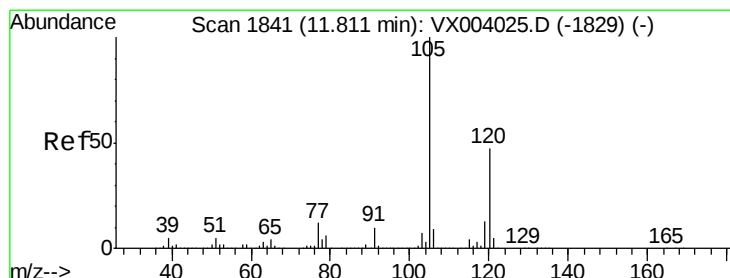
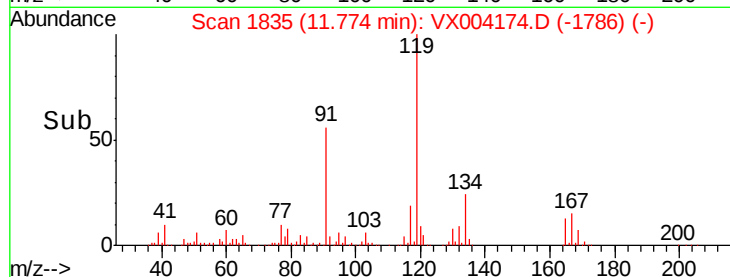
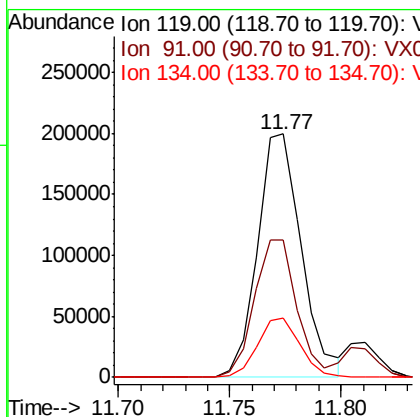
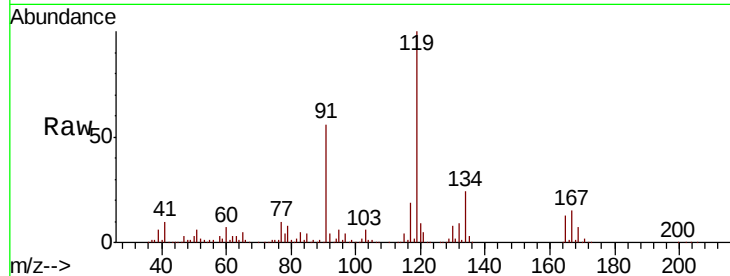
#83
 tert-Butylbenzene
 Concen: 19.96 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	274339		
91	54.4	26.9	80.7	
134	23.7	12.0	36.0	

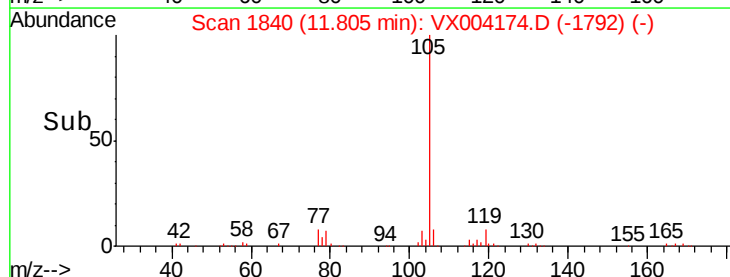
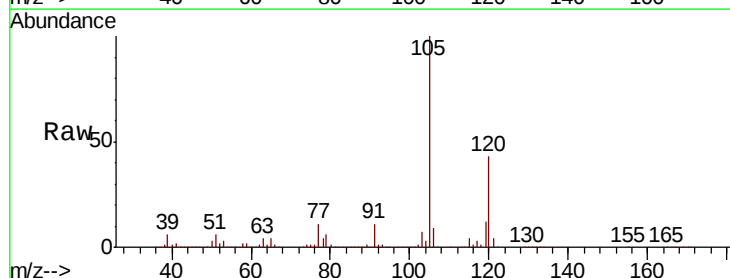
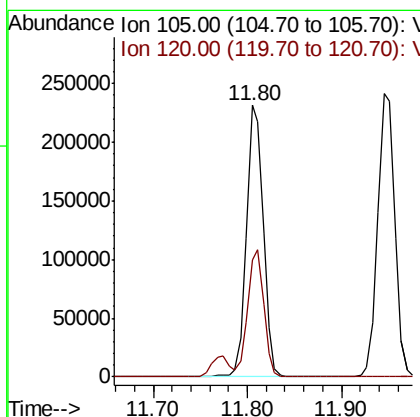
Manual Integrations
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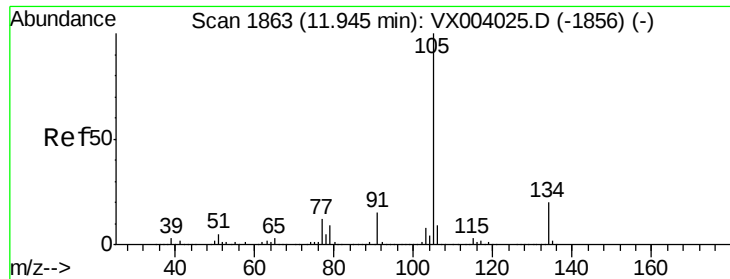
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.38 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	287733		
120	45.1	23.1	69.2	





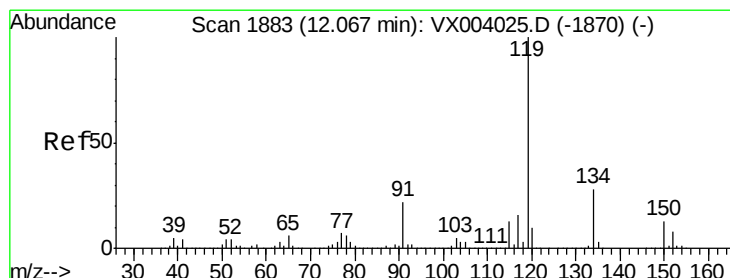
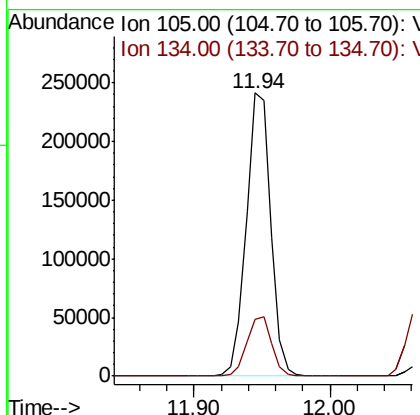
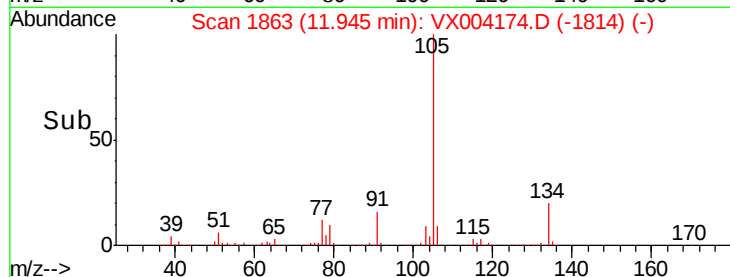
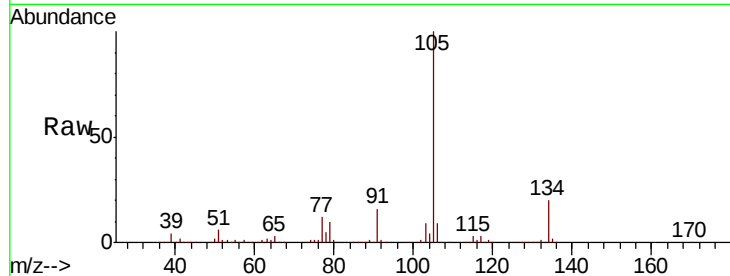
#85
 sec-Butylbenzene
 Concen: 18.88 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.3	30.9

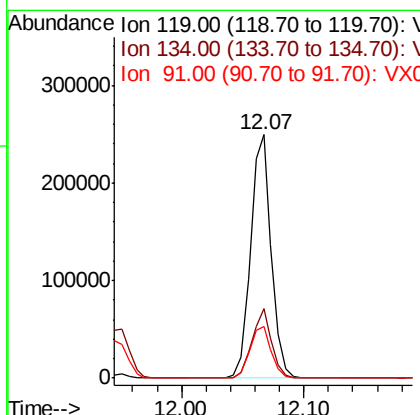
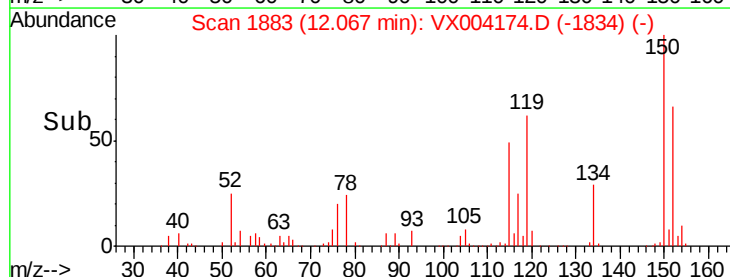
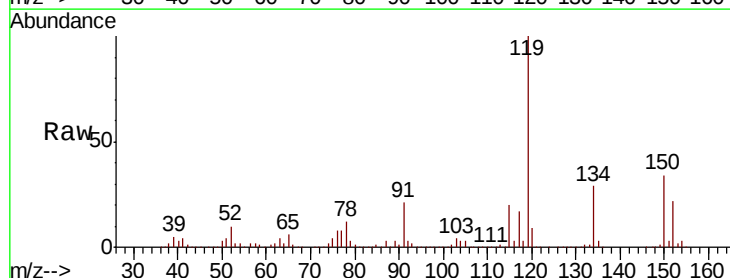
Manual Integrations
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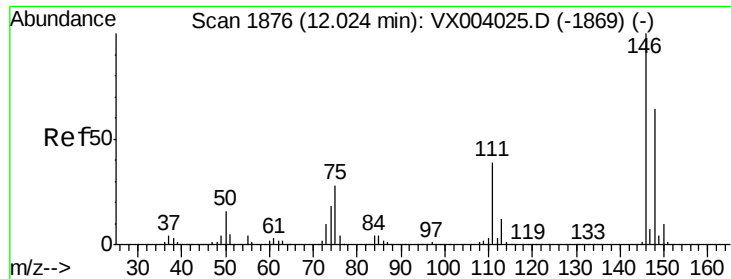
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#86
 p-Isopropyltoluene
 Concen: 19.96 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.3	39.8
91	22.0	10.9	32.7





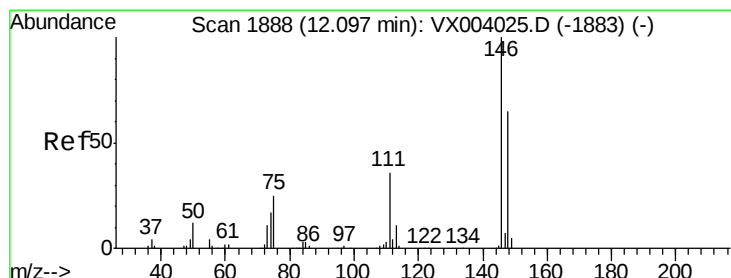
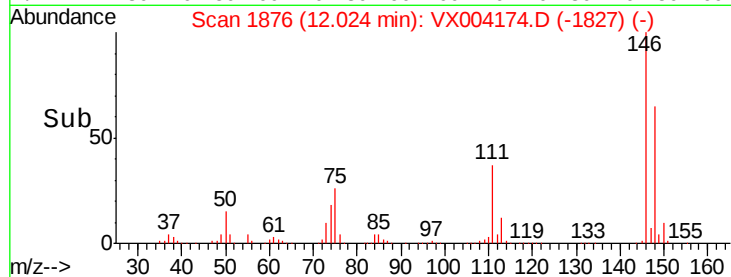
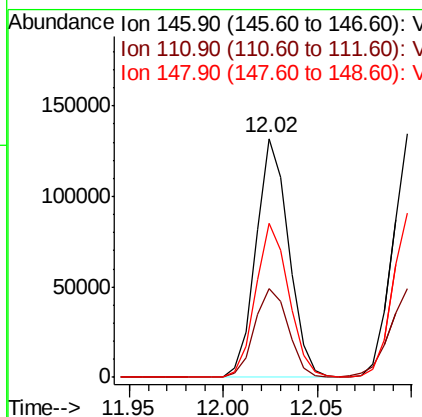
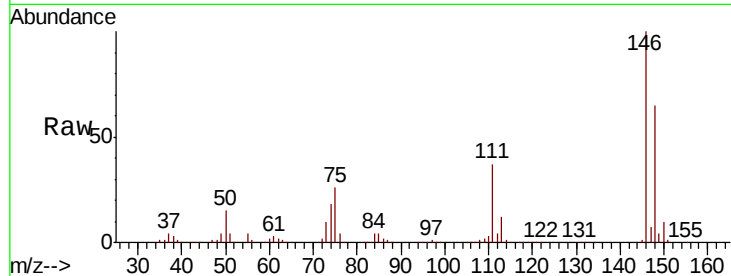
#87
 1,3-Dichlorobenzene
 Concen: 18.16 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampled :
 VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.4
148	65.2	31.9	95.5

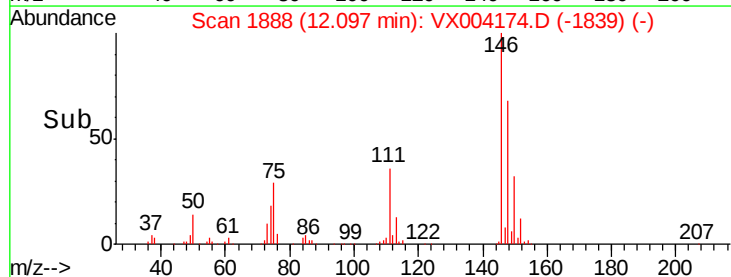
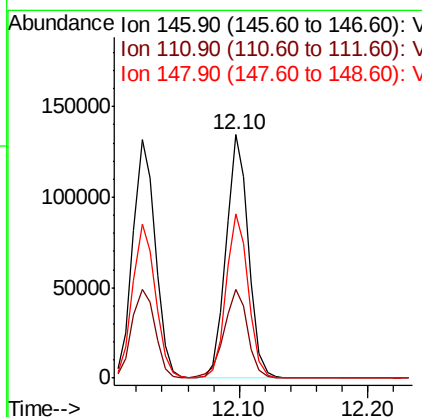
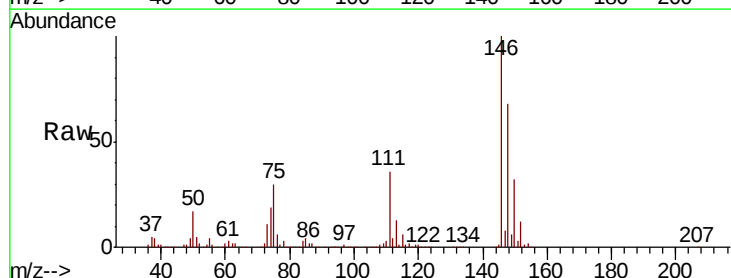
Manual Integrations
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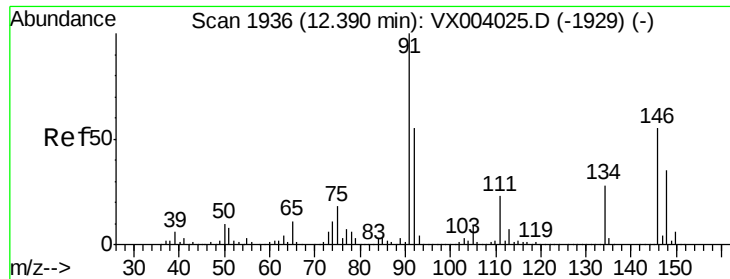
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#88
 1,4-Dichlorobenzene
 Concen: 18.24 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.4	55.0
148	66.9	32.3	96.8





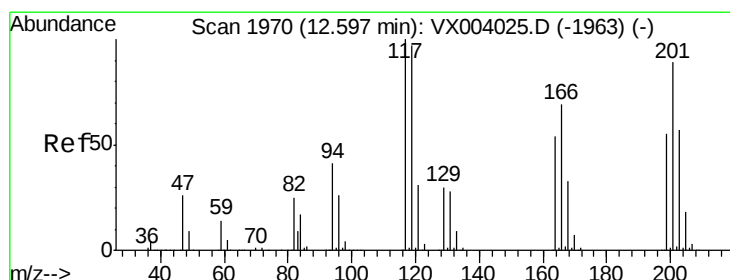
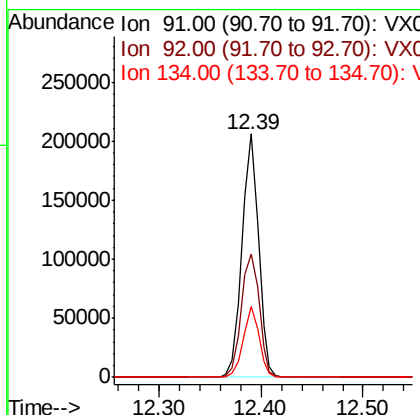
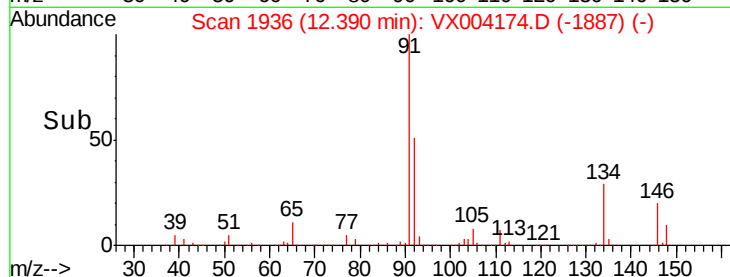
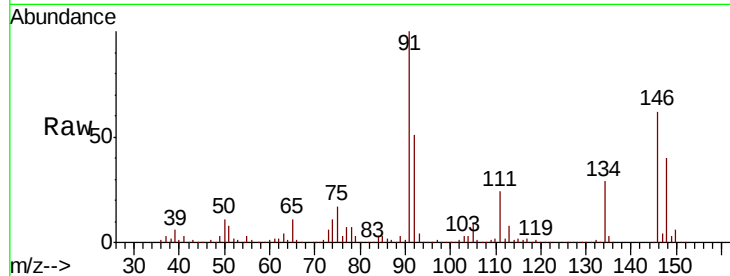
#89
n-Butylbenzene
Concen: 20.02 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	229795		
92	54.8	27.1	81.3	
134	27.8	13.6	40.7	

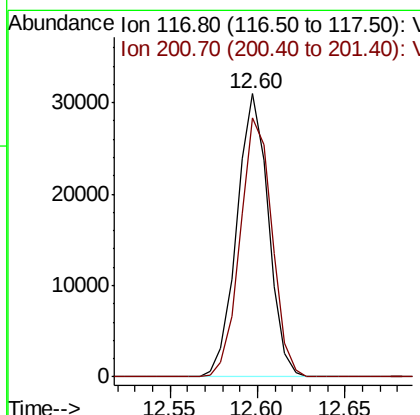
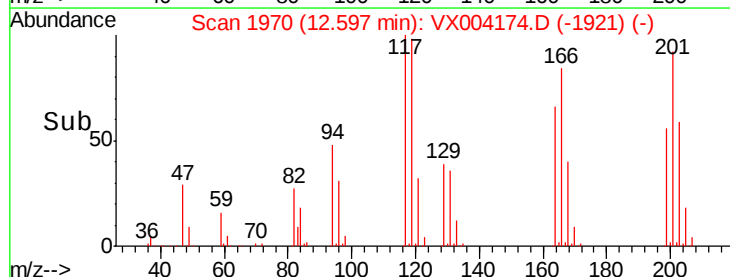
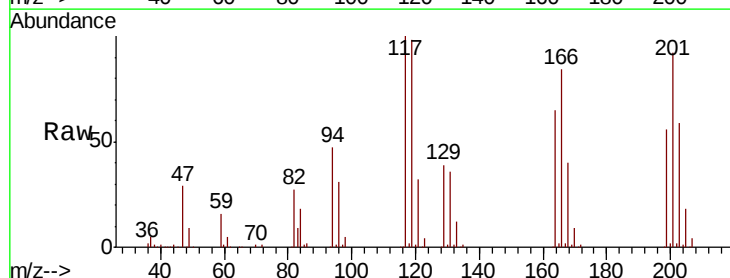
Manual Integrations
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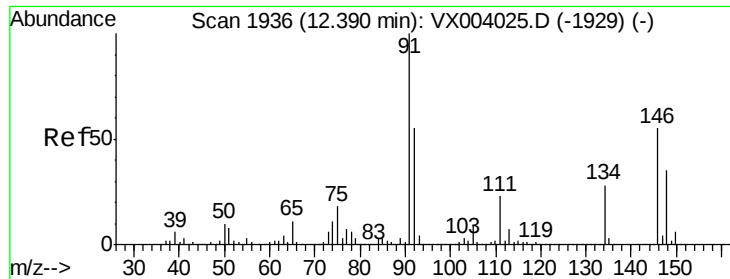
MMDadoda
8/22/2018 11:16:53 AM



#90
Hexachloroethane
Concen: 17.81 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004174.D
Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38803		
201	92.4	46.1	138.2	





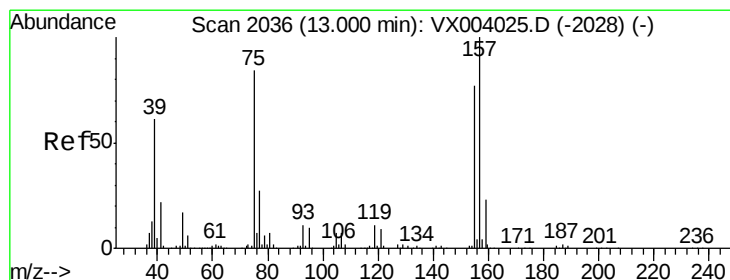
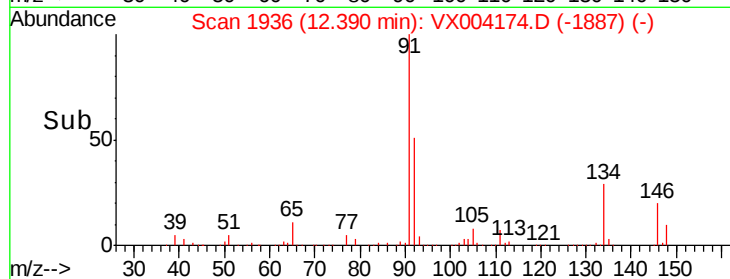
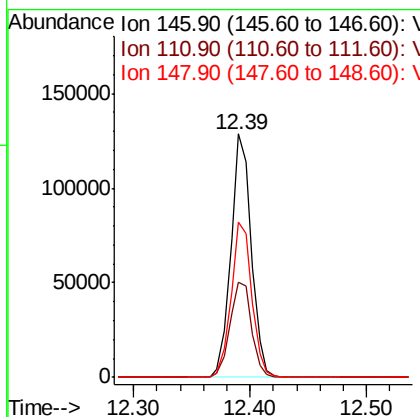
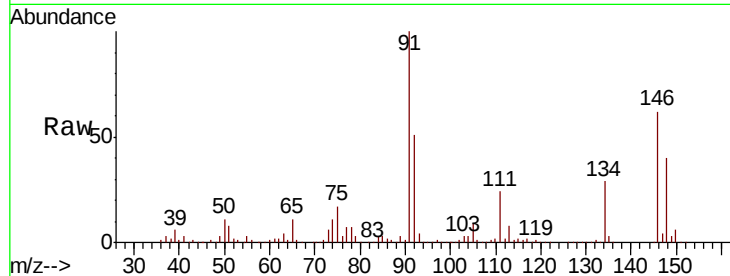
#91
 1,2-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.7	59.0
148	64.6	31.9	95.5

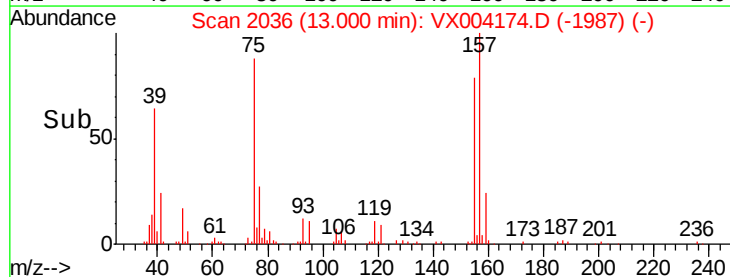
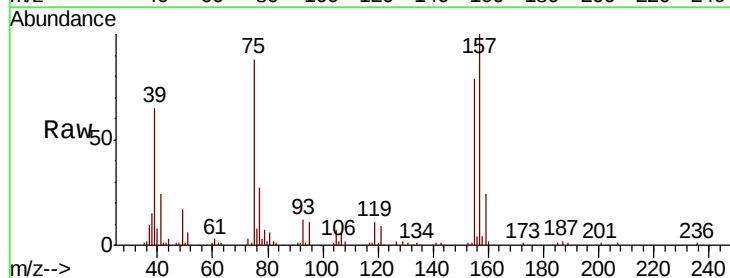
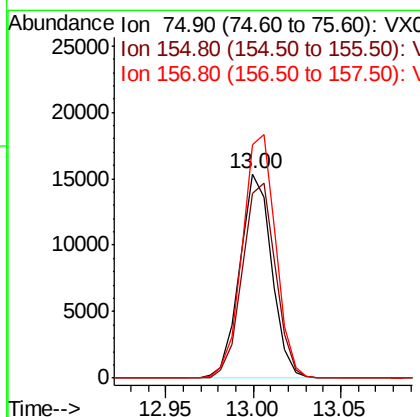
Manual Integrations
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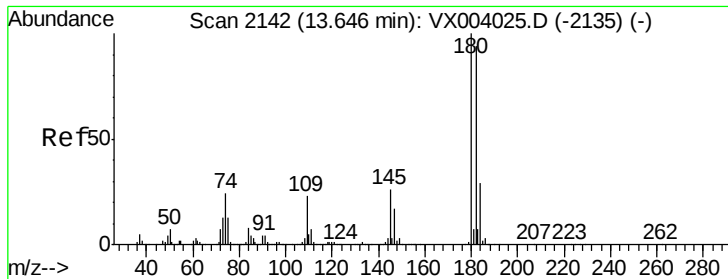
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.09 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	48.7	146.1
157	123.8	62.6	187.8





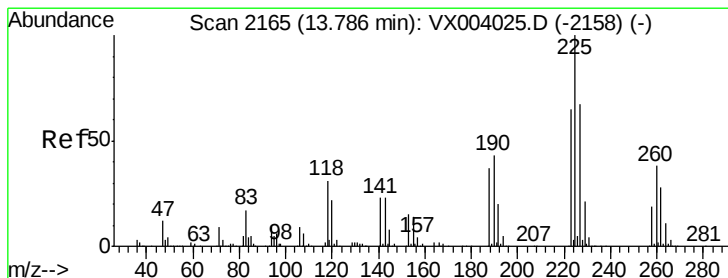
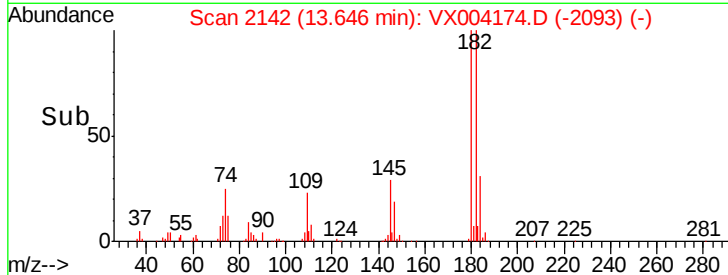
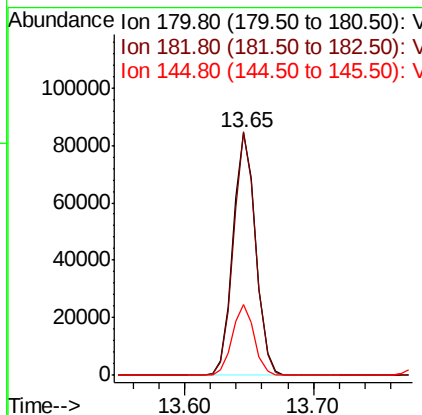
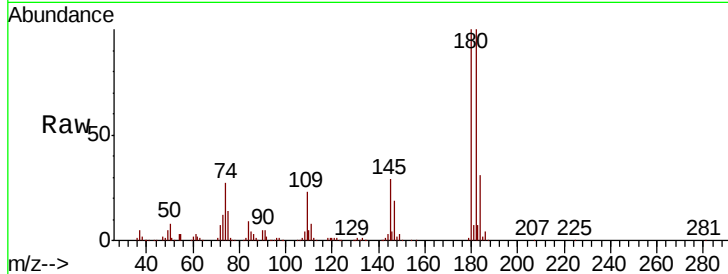
#93
 1,2,4-Trichlorobenzene
 Concen: 19.26 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103931		
182	97.8	47.7	143.1	
145	28.1	13.9	41.6	

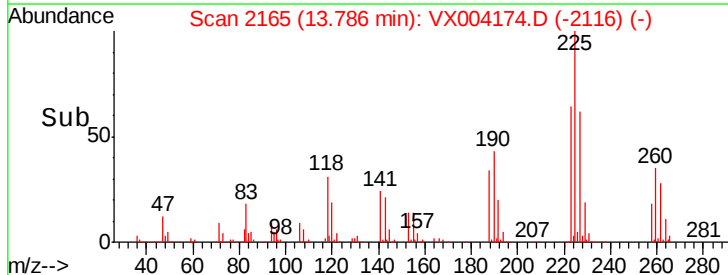
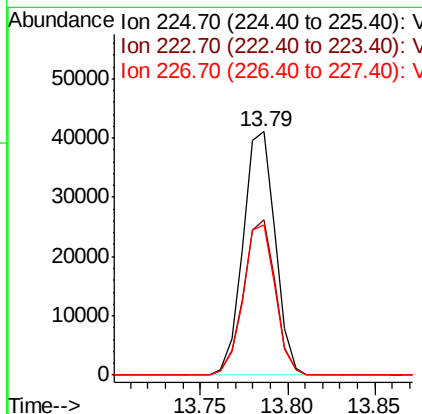
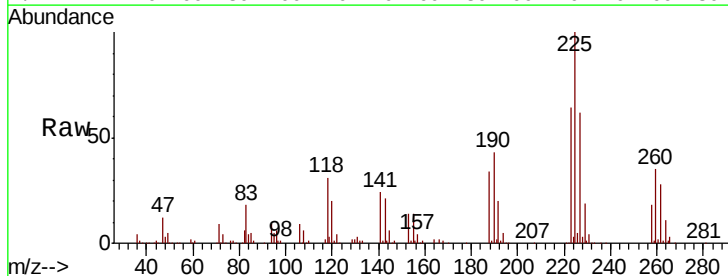
Manual Integrations
 APPROVED

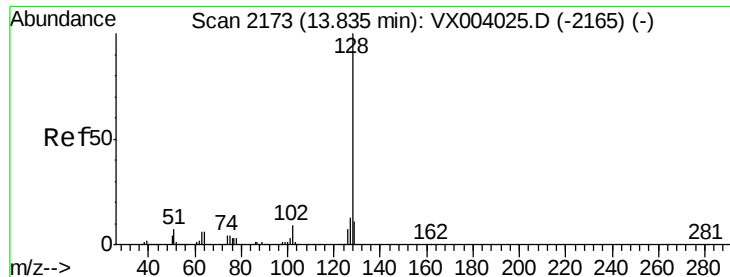
MMDadoda
 8/22/2018 11:16:53 AM



#94
 Hexachlorobutadiene
 Concen: 19.40 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004174.D
 Acq: 21 Aug 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52465		
223	63.0	31.4	94.0	
227	61.3	32.1	96.5	





#95

Naphthalene

Concen: 19.52 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Instrument :

MSVOA_X

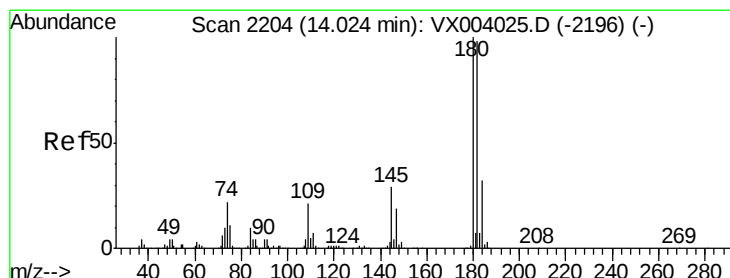
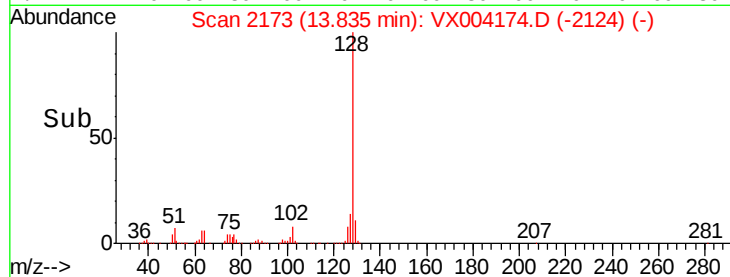
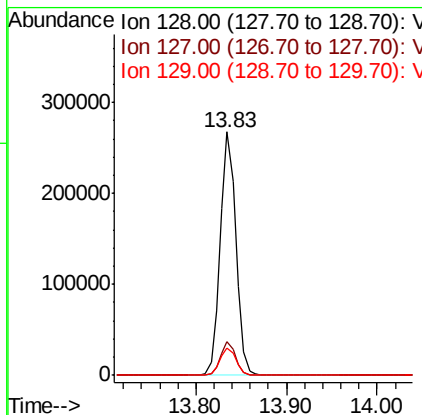
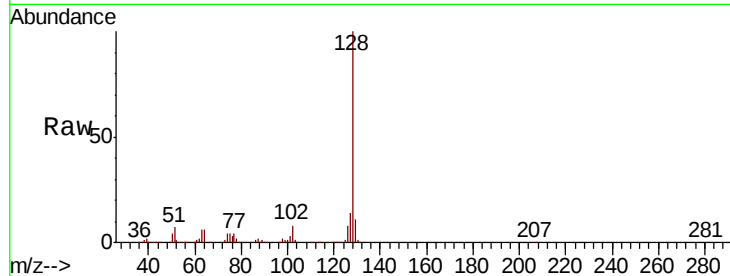
ClientSampleId :

VX0821WBSD01

Tot Ion:	128	Resp:	323403
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.2
129	11.3	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.31 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004174.D

Acq: 21 Aug 2018 14:31

Tgt Ion:	180	Resp:	119475
Ion Ratio	Lower	Upper	
180	100		
182	98.7	48.1	144.4
145	30.3	14.9	44.7

